Supplementary Information

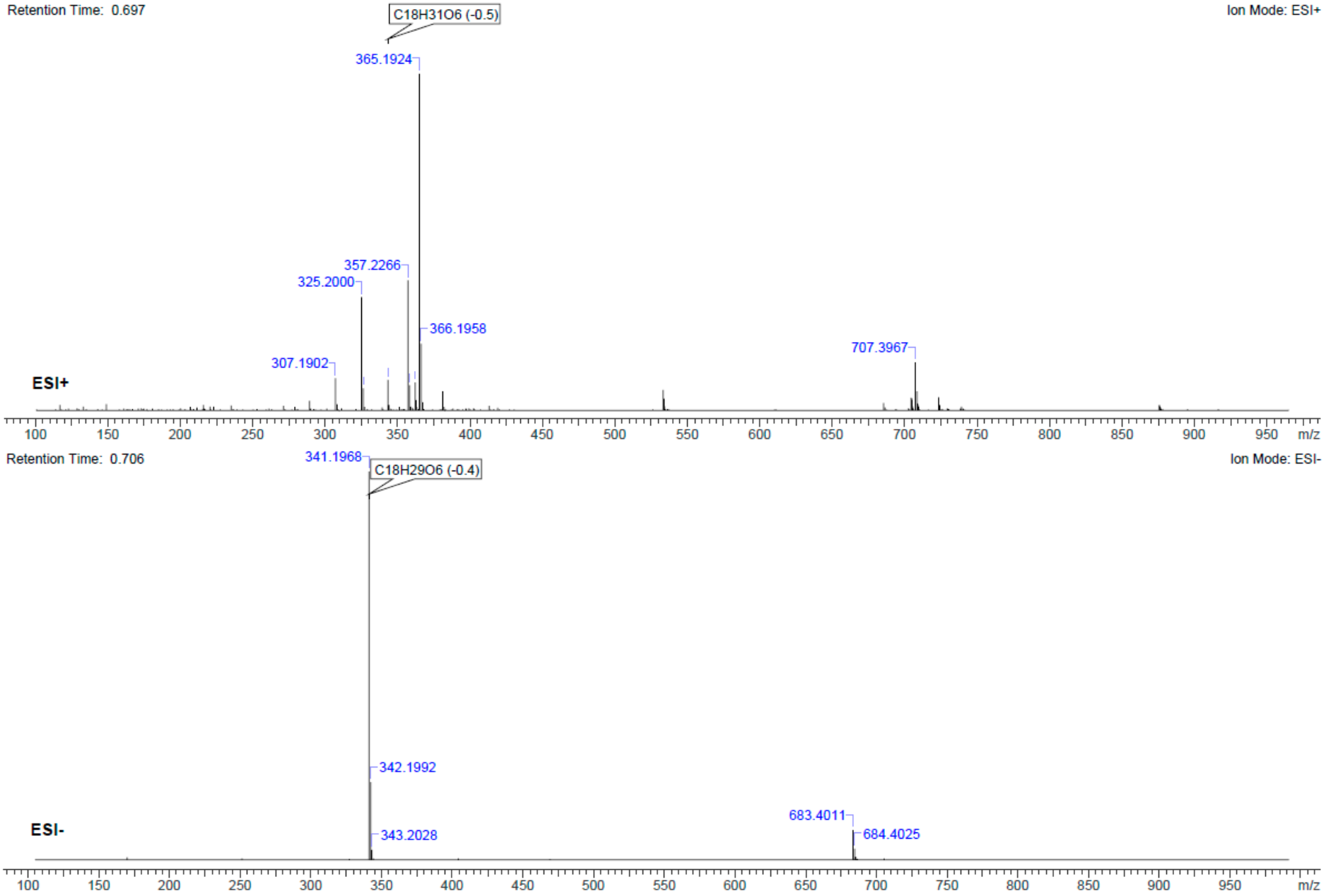
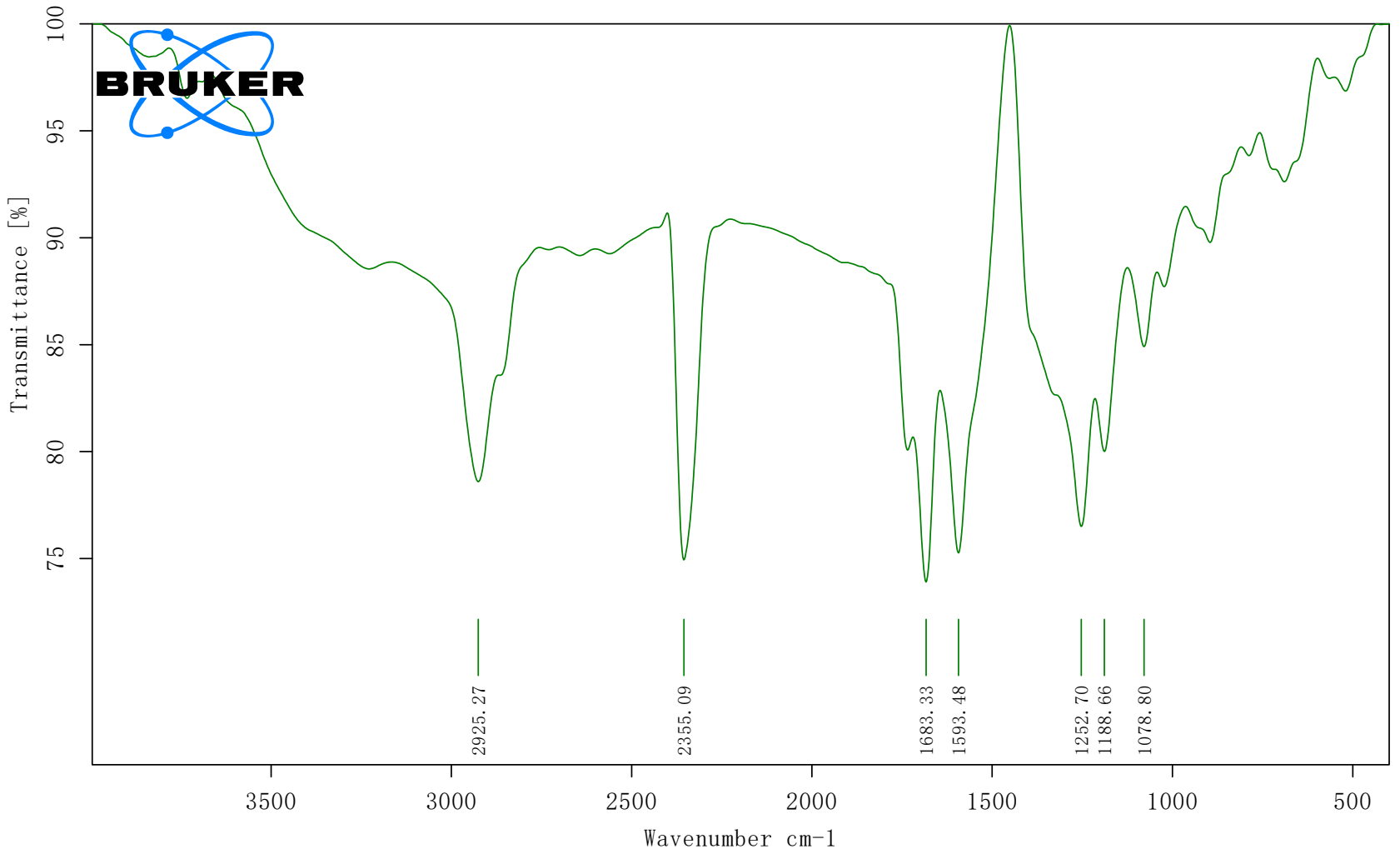
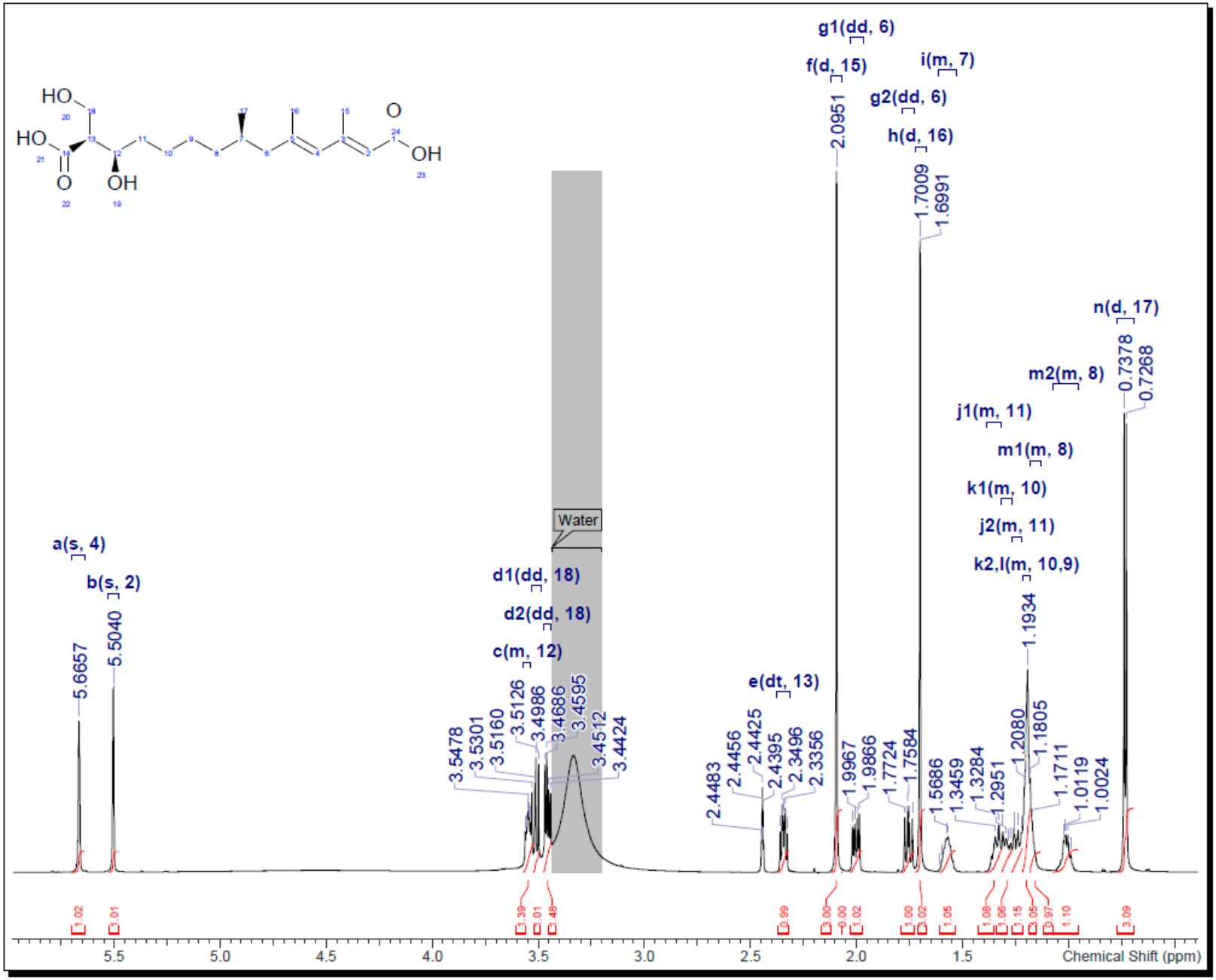


Figure S 1. HR-ESI-MS spectra of compound **1**



D:\My Documents\Bruker\OPUS_7.5.18\DATA\MEAS\GO-3.20	GO-3	Instrument type and / or accessory	2018-8-18

Figure S 2. IR spectrum of compound **1**



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Date Stamp	01 Jul 2015 16:23:28
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Original Points Count	32768
Owner	nmr
Points Count	65536
Pulse Sequence	zg30
Receiver Gain	31.15
SW(cyclical) (Hz)	12019.23
Solvent	DMSO-d6
Spectrum Offset (Hz)	3667.0505
Spectrum Type	STANDARD
Sweep Width (Hz)	12019.05
Temperature (degree C)	27.000

Formula	$C_{18}H_{30}O_6$
FW	342.4272
[M-H]-	341.1970
[M+H]+	343.2115
$d_N(^1H)$	0.293
$sd_N(^1H)$	0.411

Figure S 3. ^{1}H-NMR (600 MHz, DMSO-d_6) of compound **1**

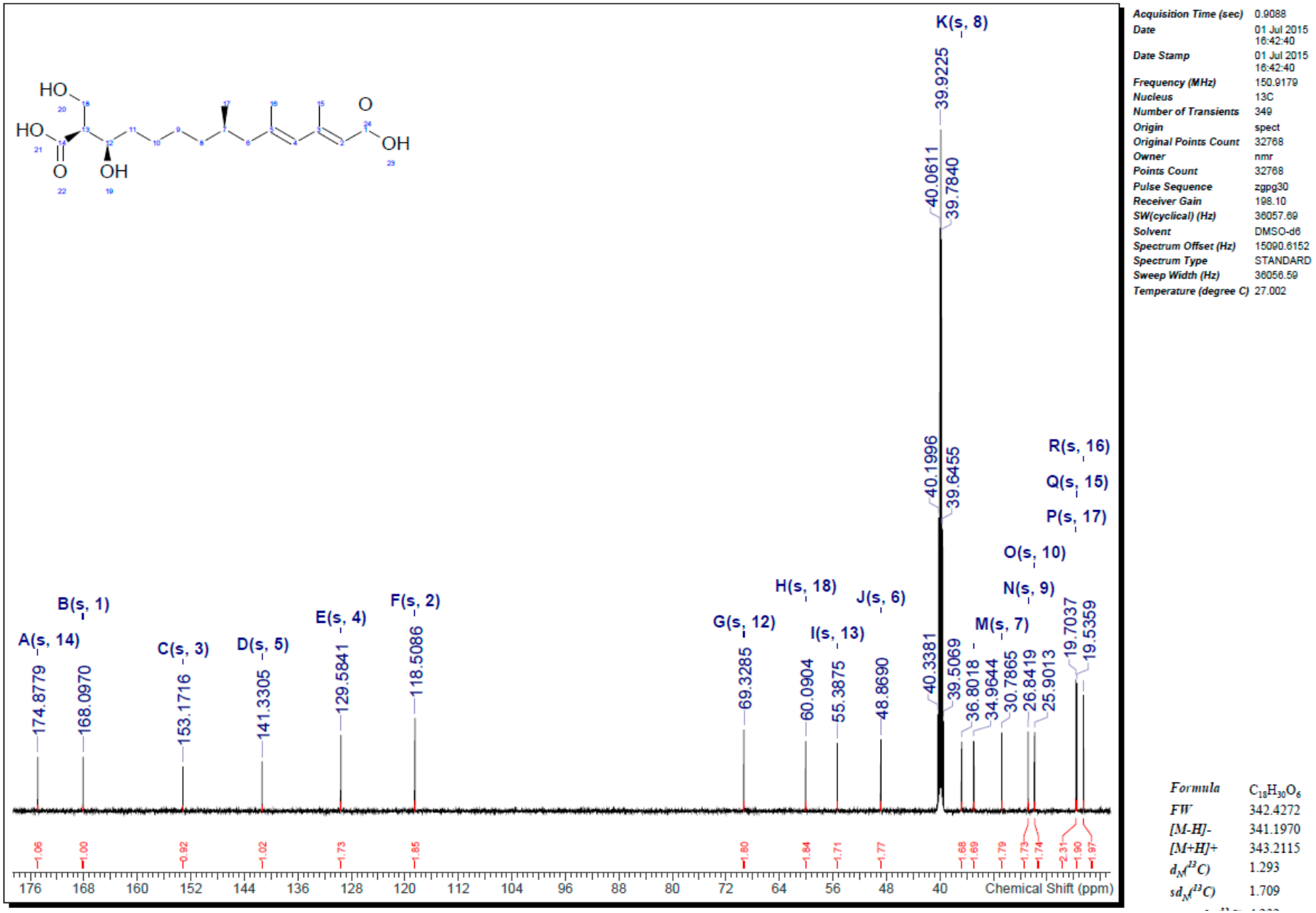

Figure S 4. ^{13}C-NMR (150 MHz, DMSO-d_6) of compound **1**

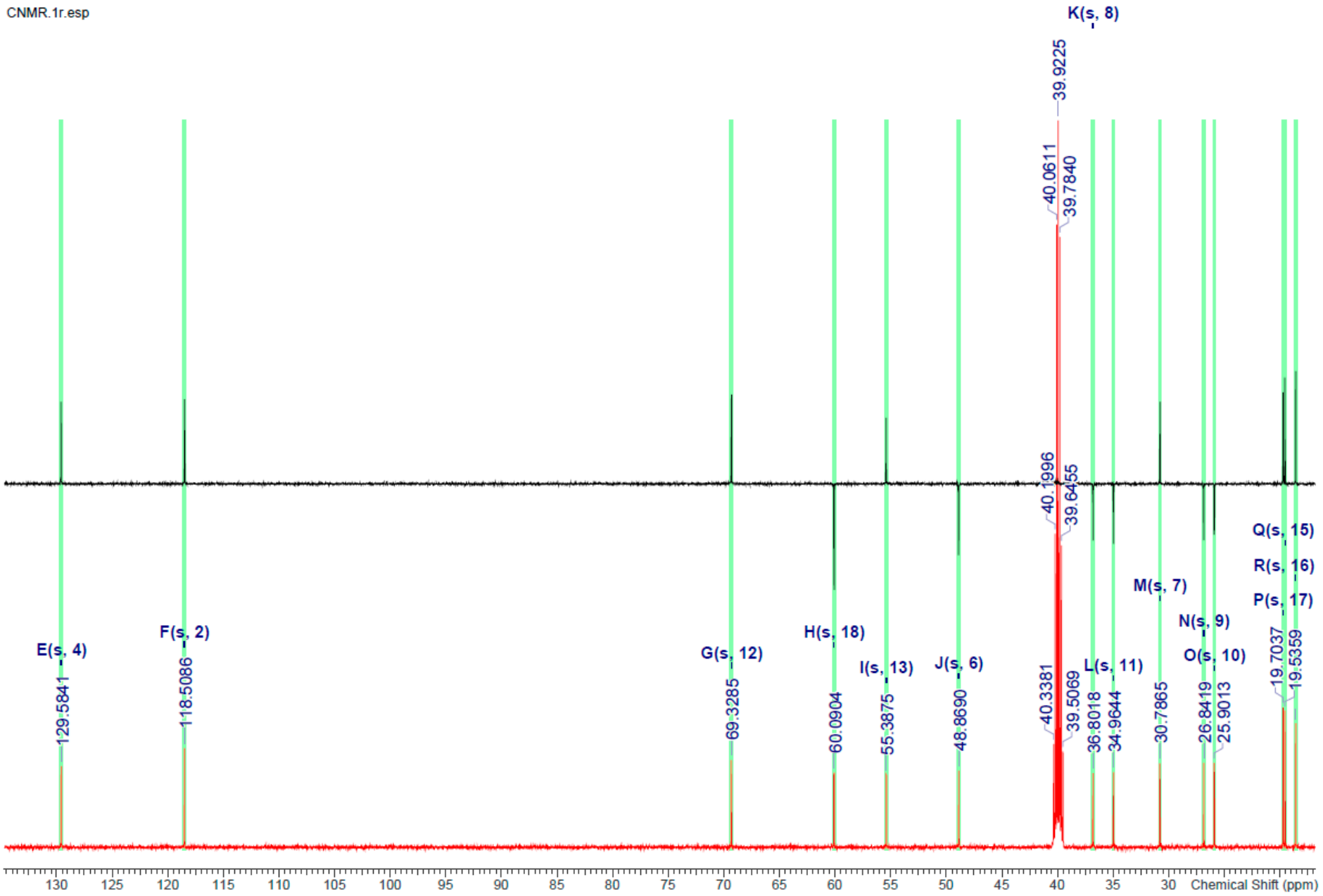

Figure S 5. DEPT spectrum of compound **1**

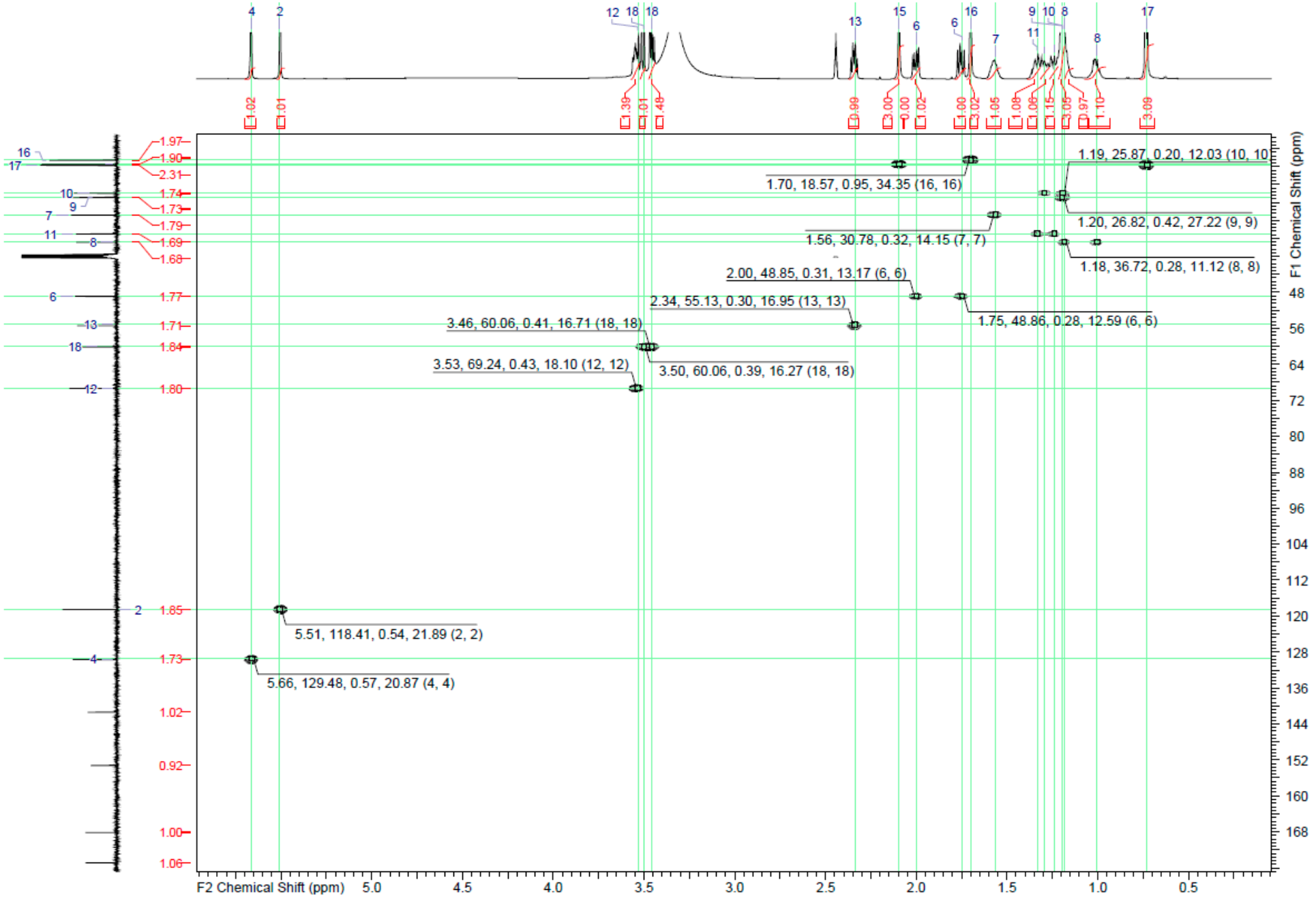

Figure S 6. HSQC spectrum of compound **1**

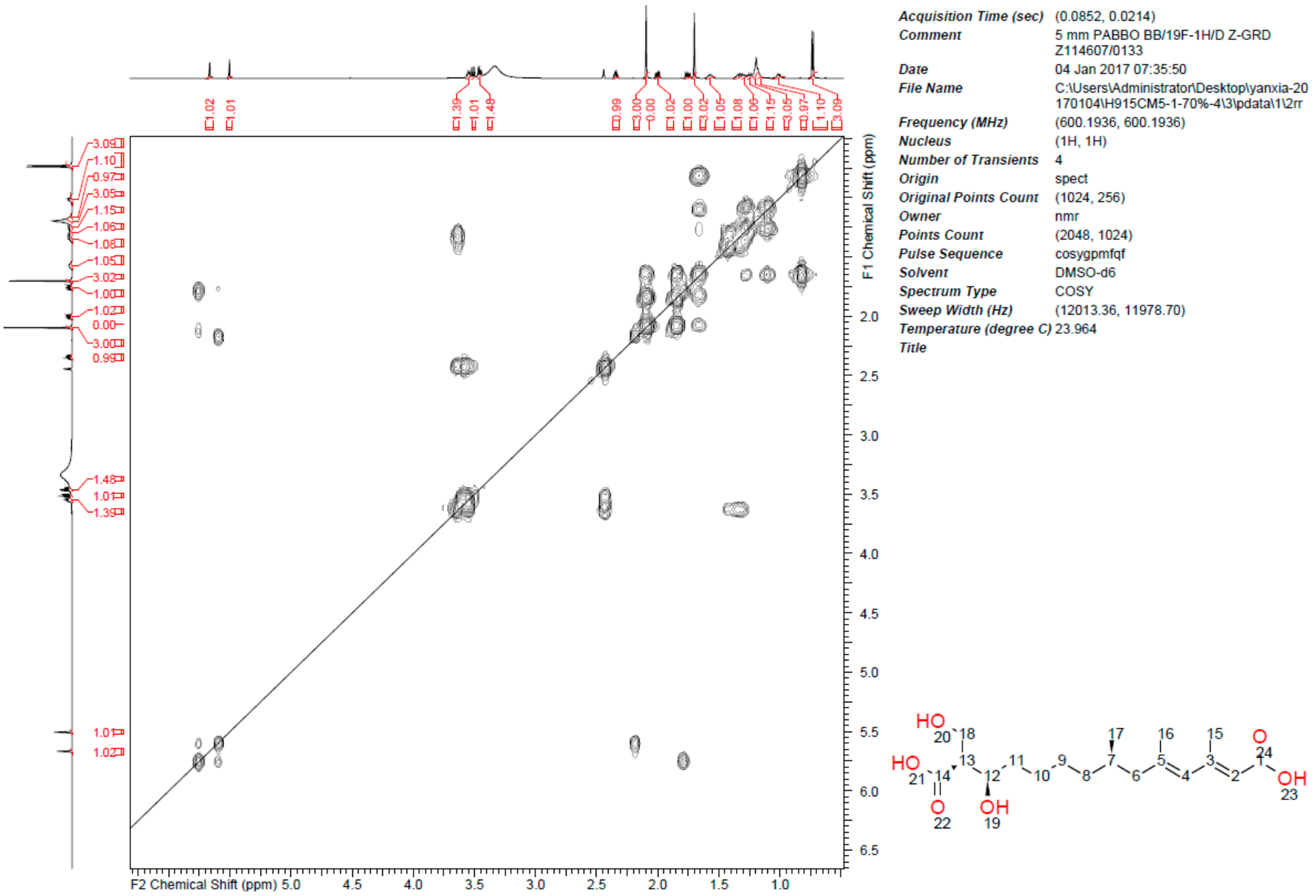

Figure S 7. ^{1}H-^{1}H COSY spectrum of compound **1**

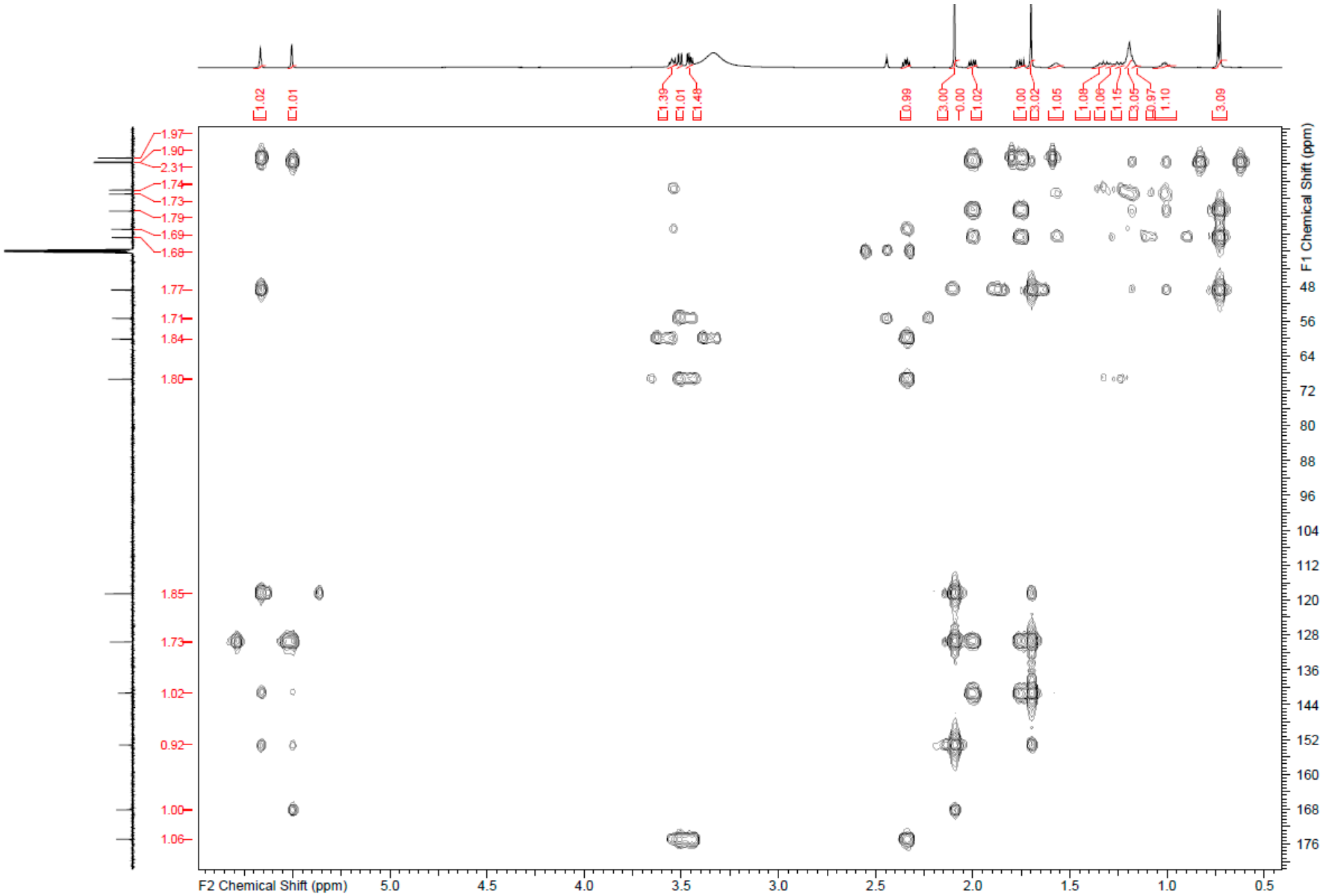

Figure S 8. HMBC spectrum of compound **1**

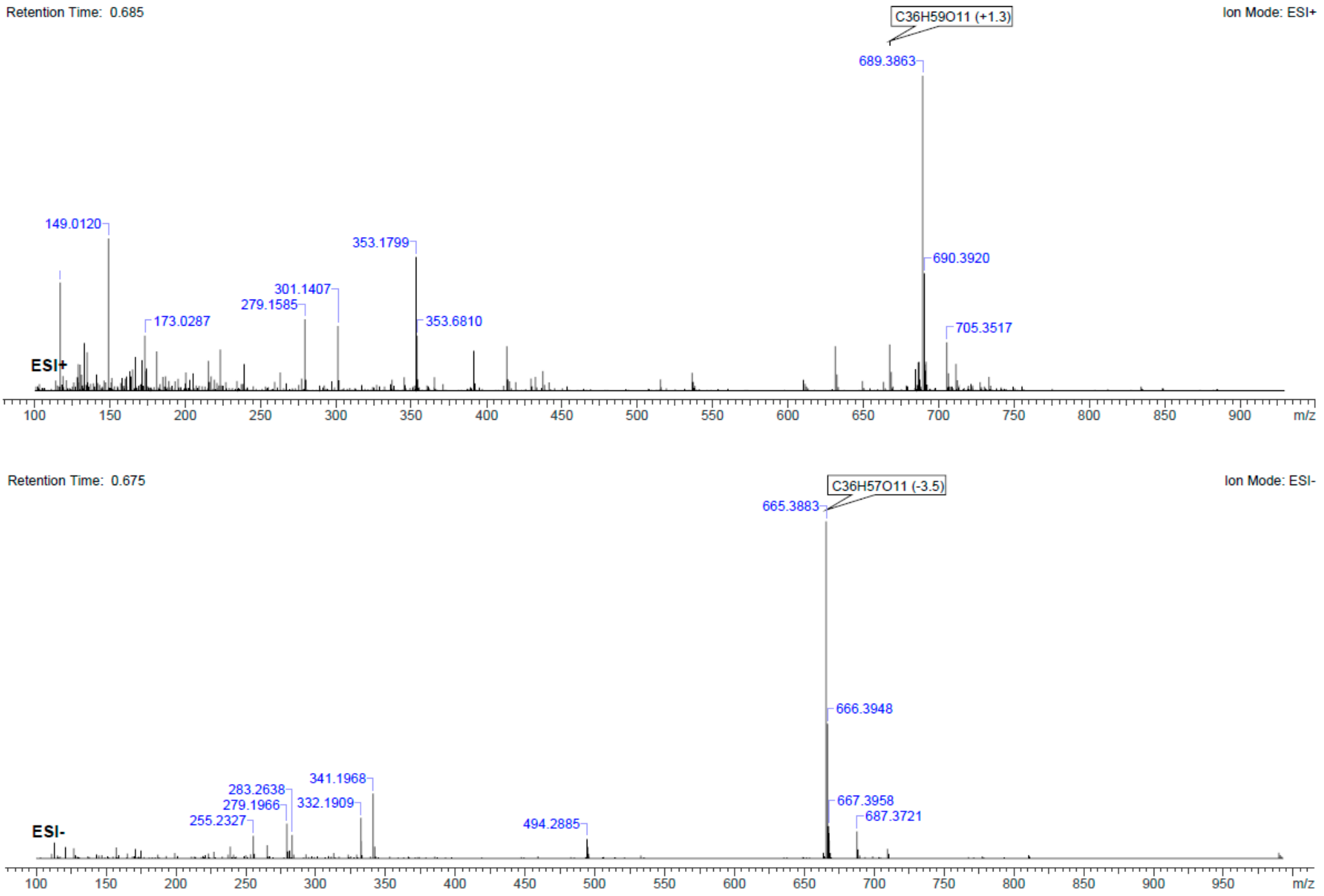

Figure S 9. HR-ESI-MS spectra of compound **2**

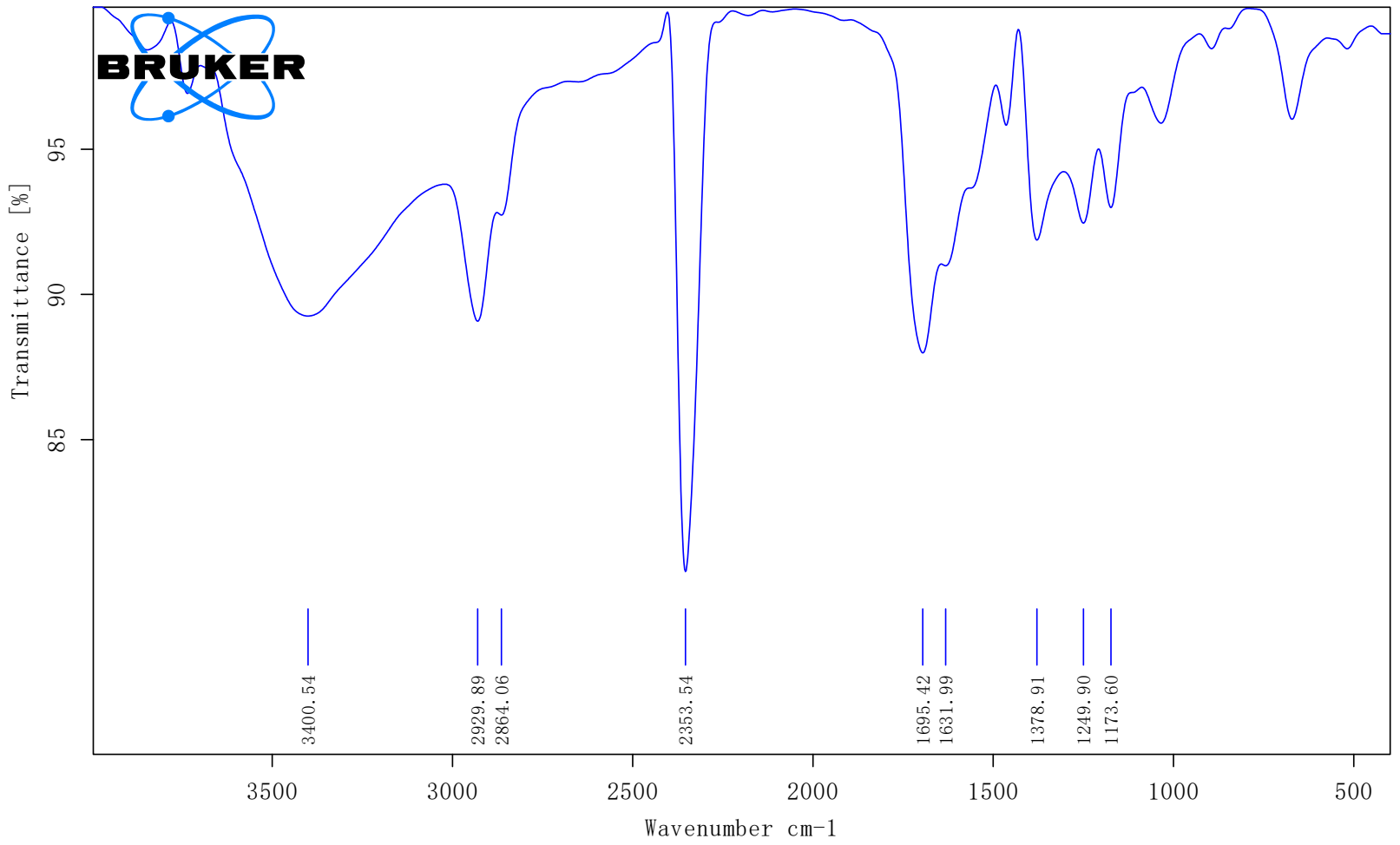

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Figure S 10. IR spectrum of compound **2**

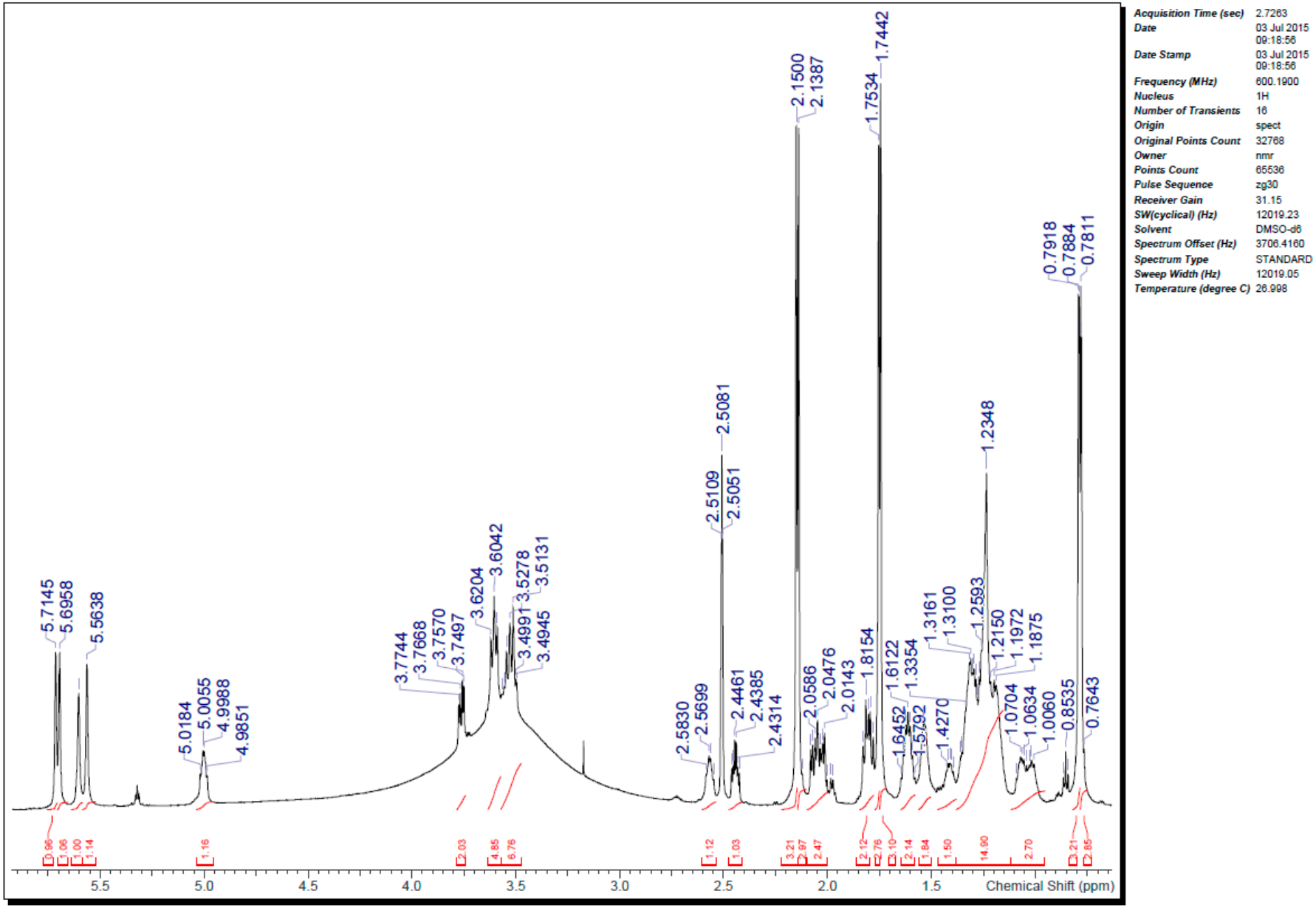


Figure S 11. ^{1}H-NMR (600 MHz, DMSO-d_6) of compound **2**

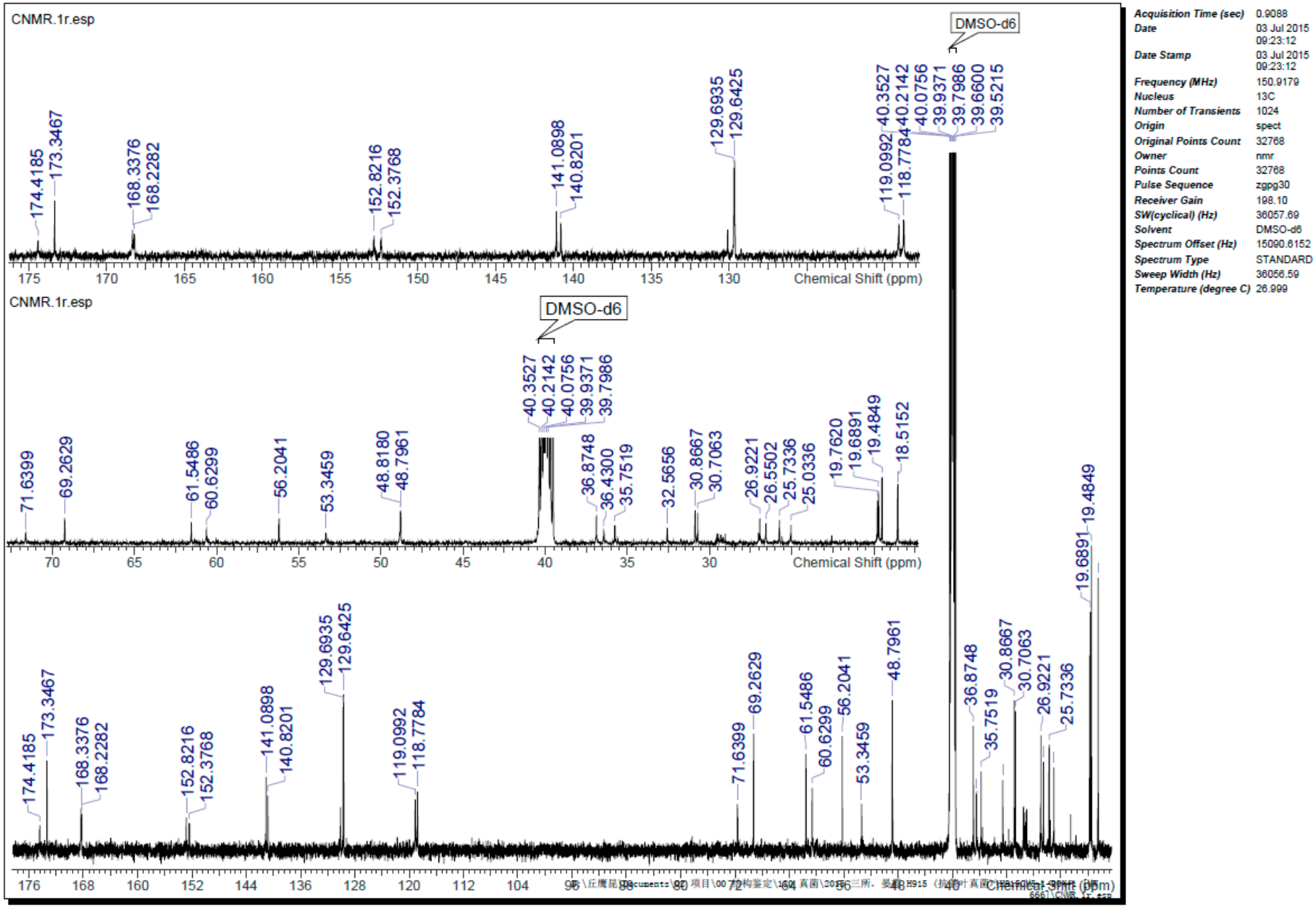


Figure S 12. ^{13}C-NMR (150 MHz, DMSO-d_6) of compound **2**

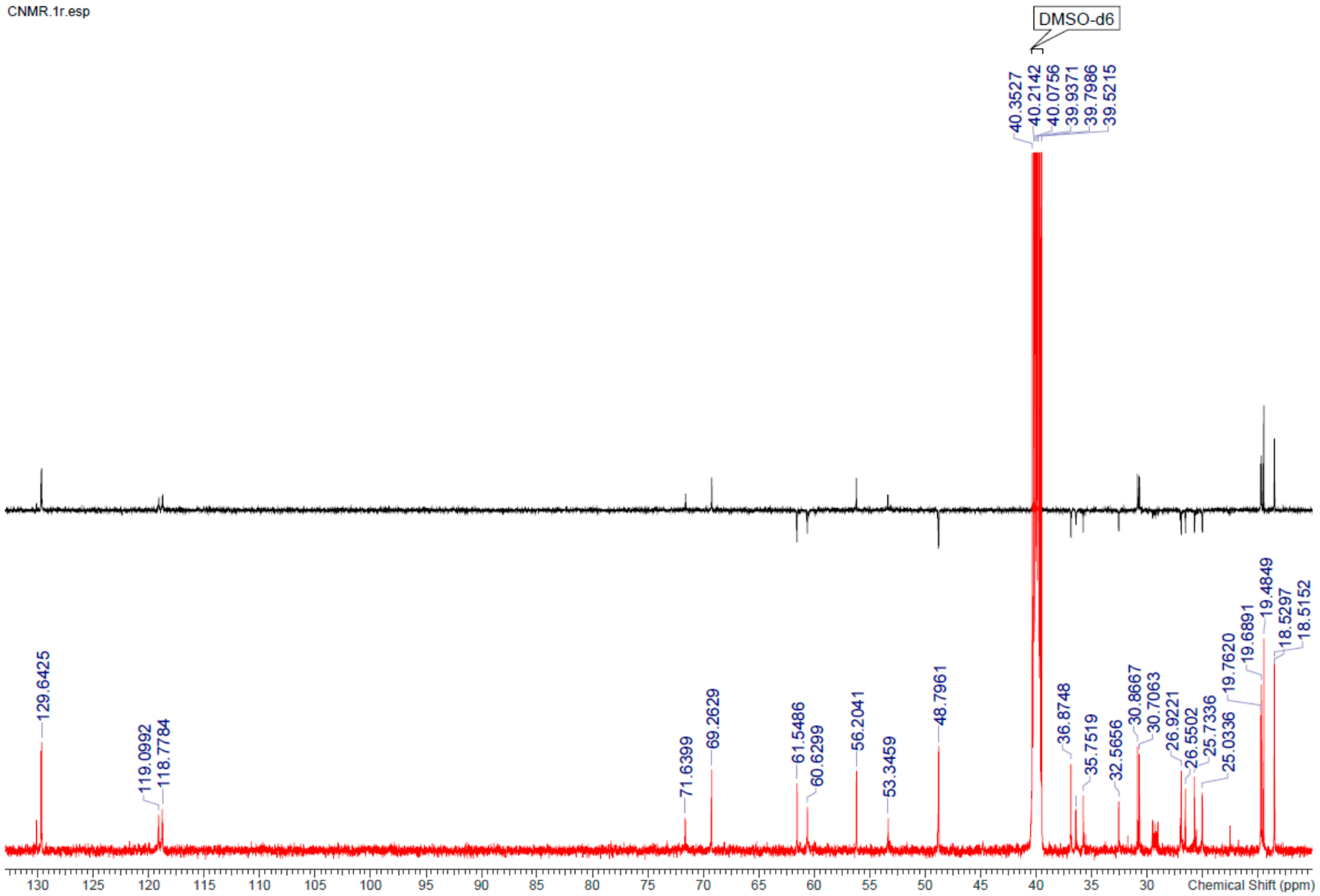


Figure S 13. DEPT spectrum of compound **2**

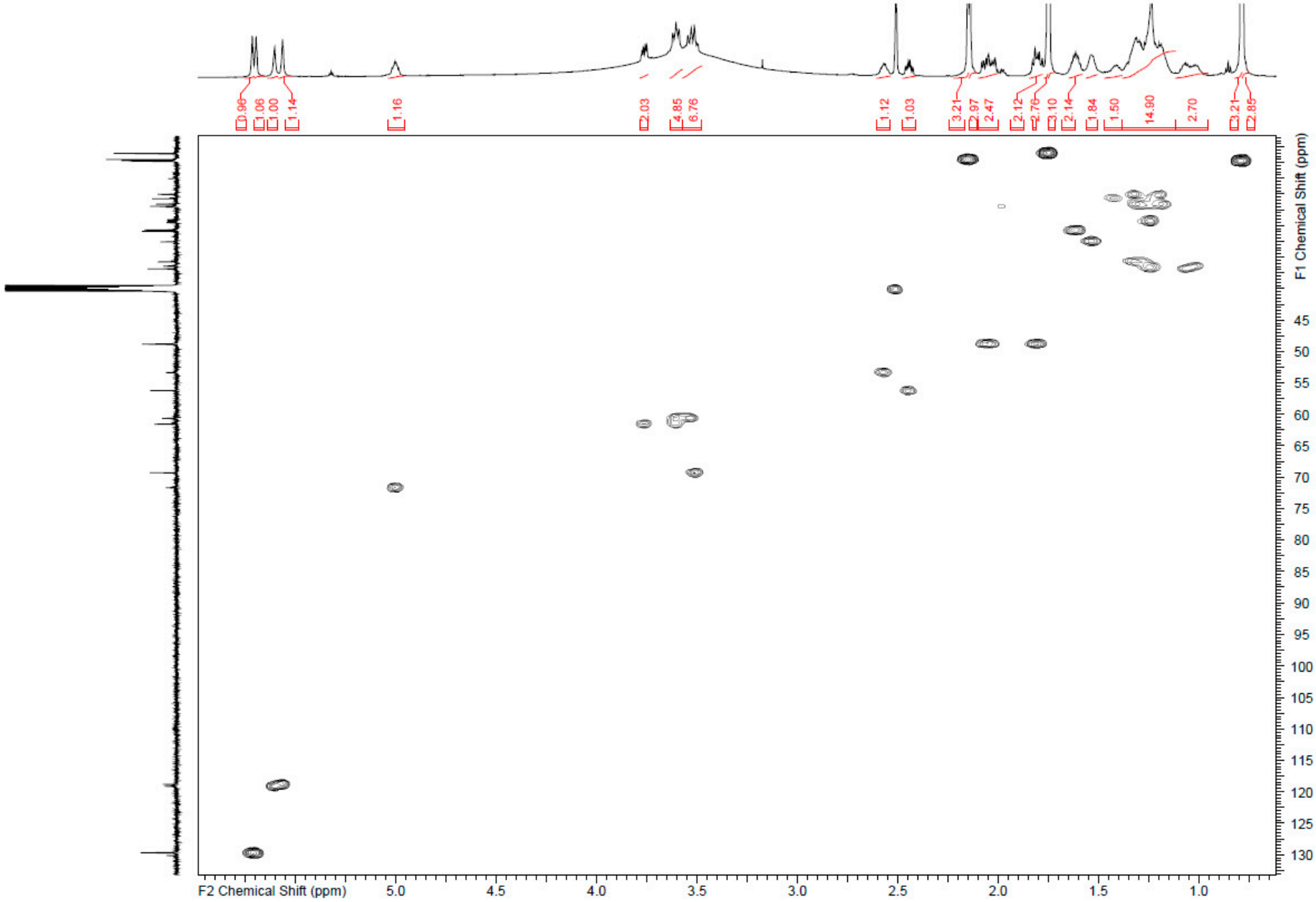
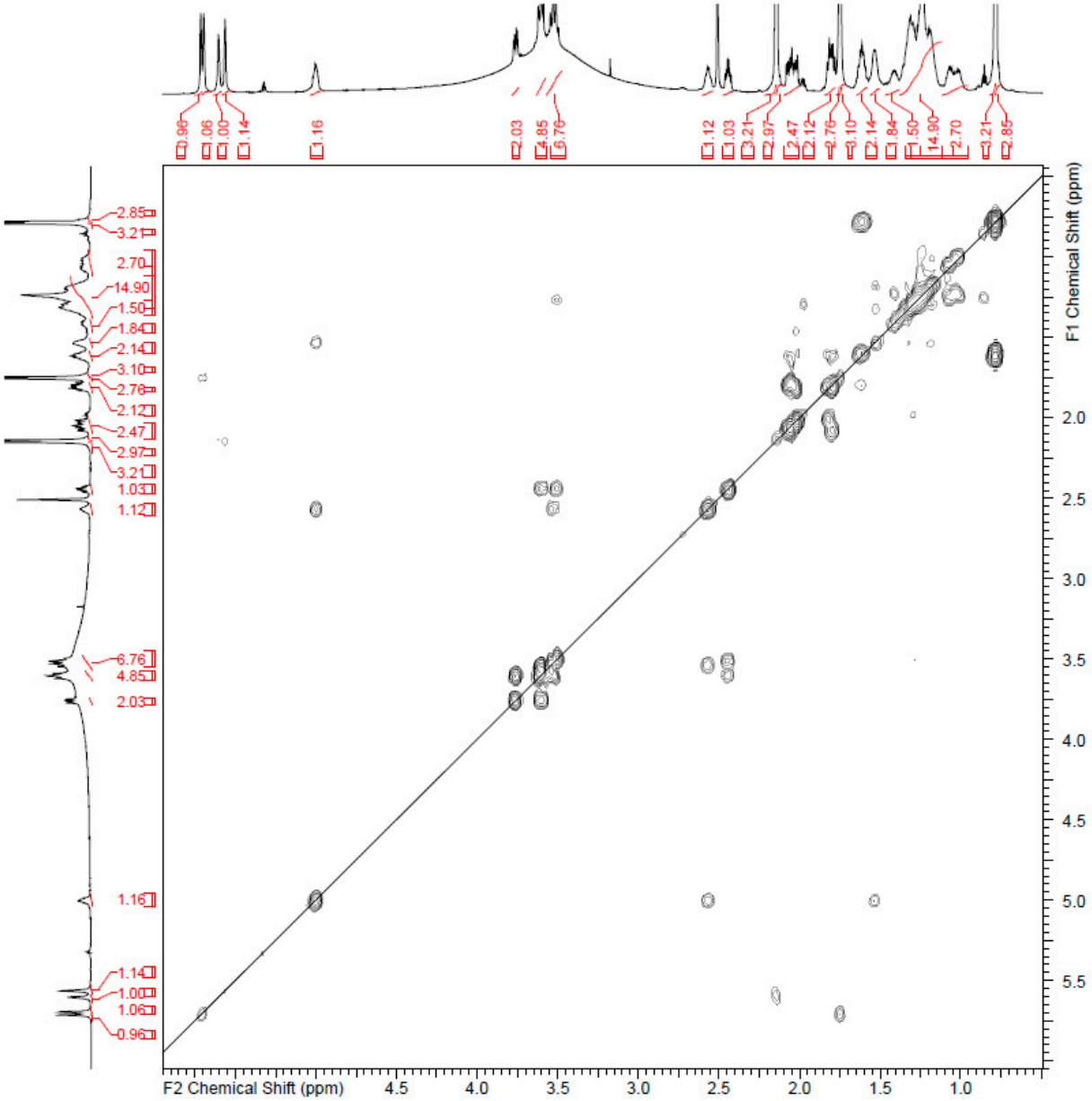


Figure S 14. HSQC spectrum of compound **2**



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Date	24 Nov 2016 15:30:38
File Name	C:\Users\Administrator\Desktop\yanxia-20161125\H915CM5-1-90%-1\3\pdata\1\2rr
Frequency (MHz)	(600.1936, 600.1936)
Nucleus	(1H, 1H)
Number of Transients	4
Origin	spect
Original Points Count	(1024, 256)
Owner	nmr
Points Count	(2048, 1024)
Pulse Sequence	cosygpmfqf
Solvent	DMSO-d6
Spectrum Type	COSY
Sweep Width (Hz)	(12013.36, 11978.70)
Temperature (degree C)	23.966
Title	

Figure S 15. ^{1}H-^{1}H COSY spectrum of compound **2**

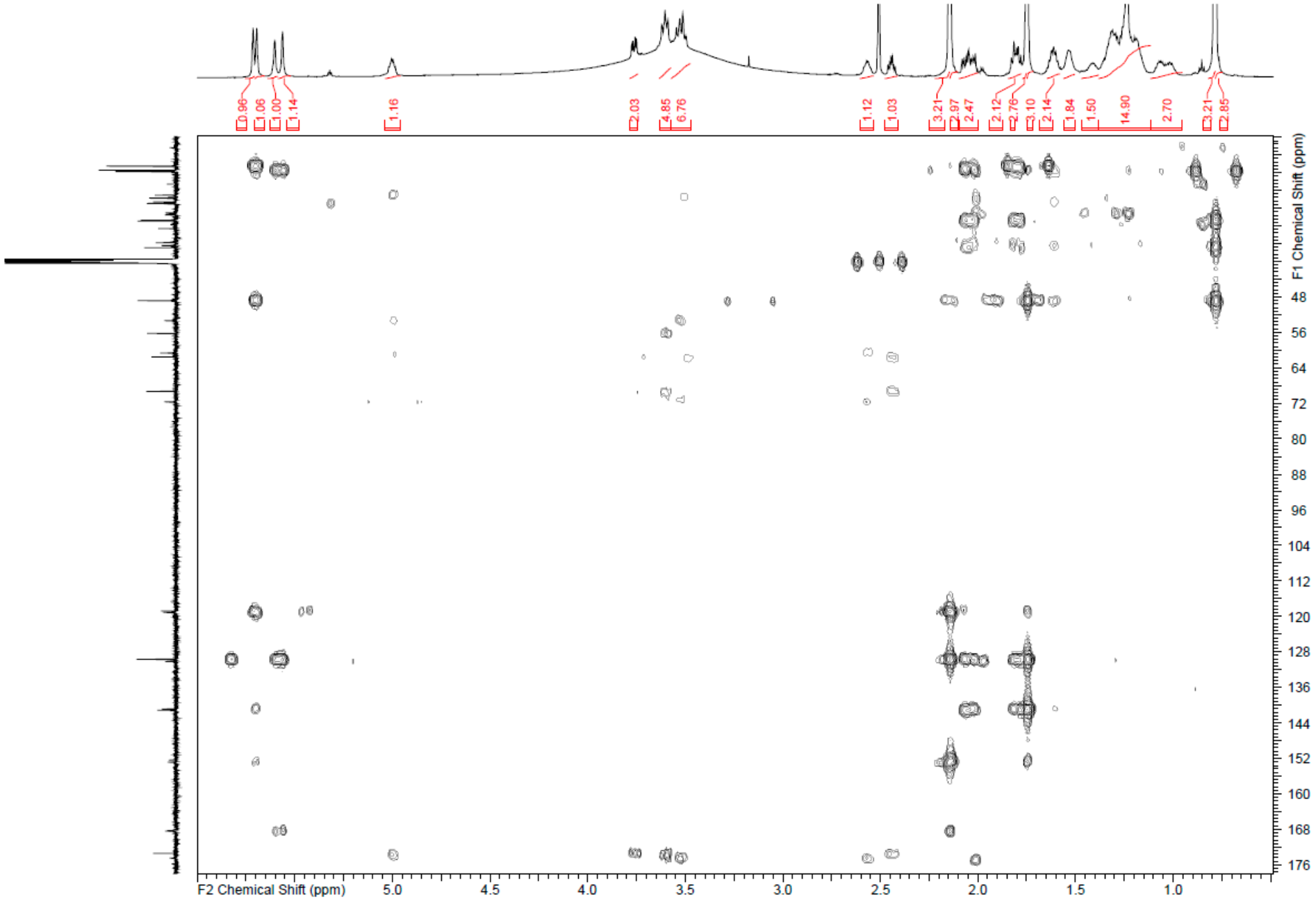
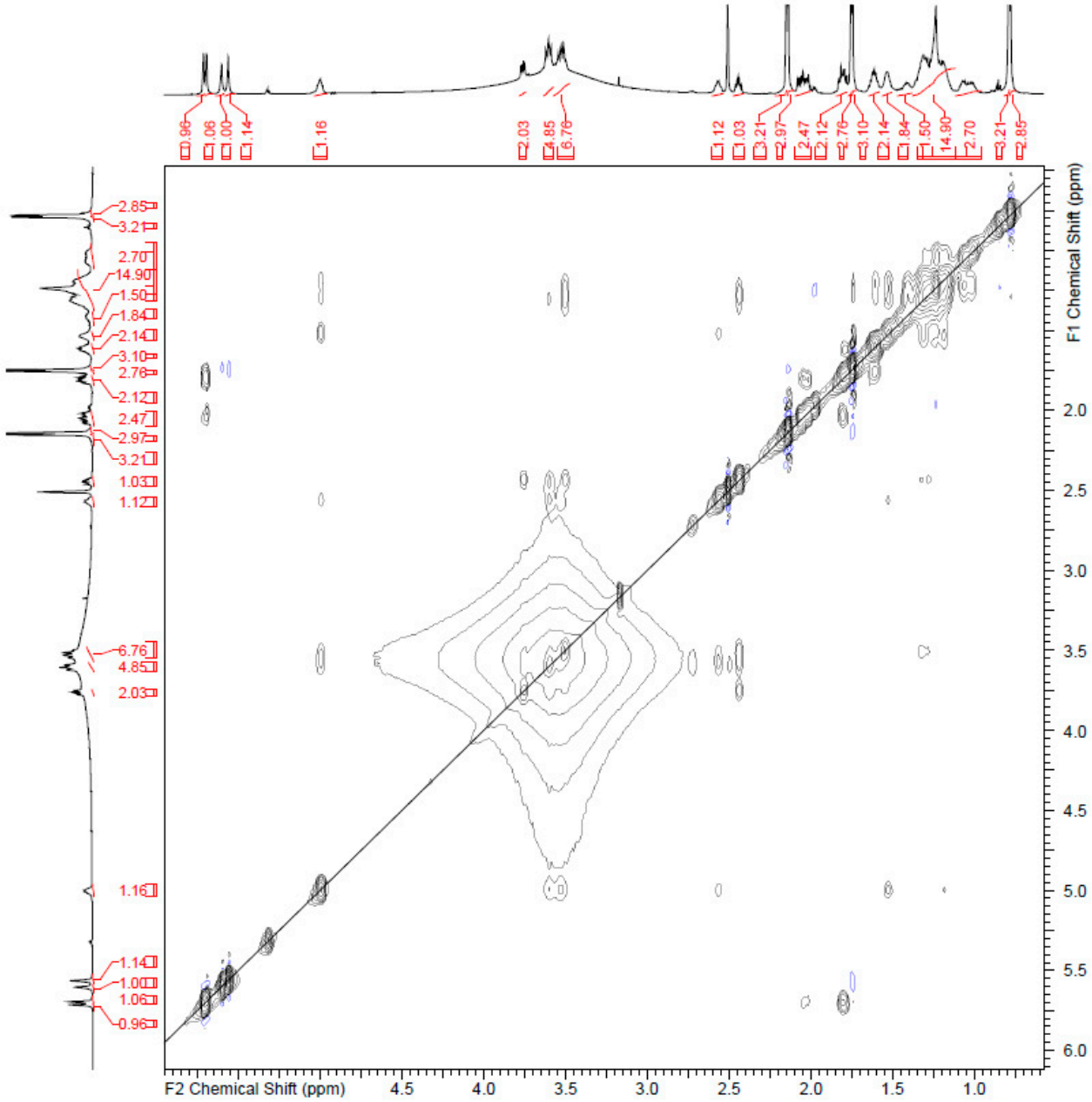


Figure S 16. HMBC spectrum of compound **2**



Acquisition Time (sec)	(0.1454, 0.0364)
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Date	25 Nov 2016 08:55:30
File Name	C:\Users\Administrator\Desktop\yanxia-20161125\H915CM5-1-90%-1\6\pdata\1\2rr
Frequency (MHz)	(600.1921, 600.1921)
Nucleus	(1H, 1H)
Number of Transients	4
Origin	spect
Original Points Count	(1024, 256)
Owner	nmr
Points Count	(1024, 1024)
Pulse Sequence	noesygpphpp
Solvent	DMSO-d6
Spectrum Type	NOESY
Sweep Width (Hz)	(7035.38, 7035.38)
Temperature (degree C)	24.002
Title	

Figure S 17. NOESY spectrum of compound **2**

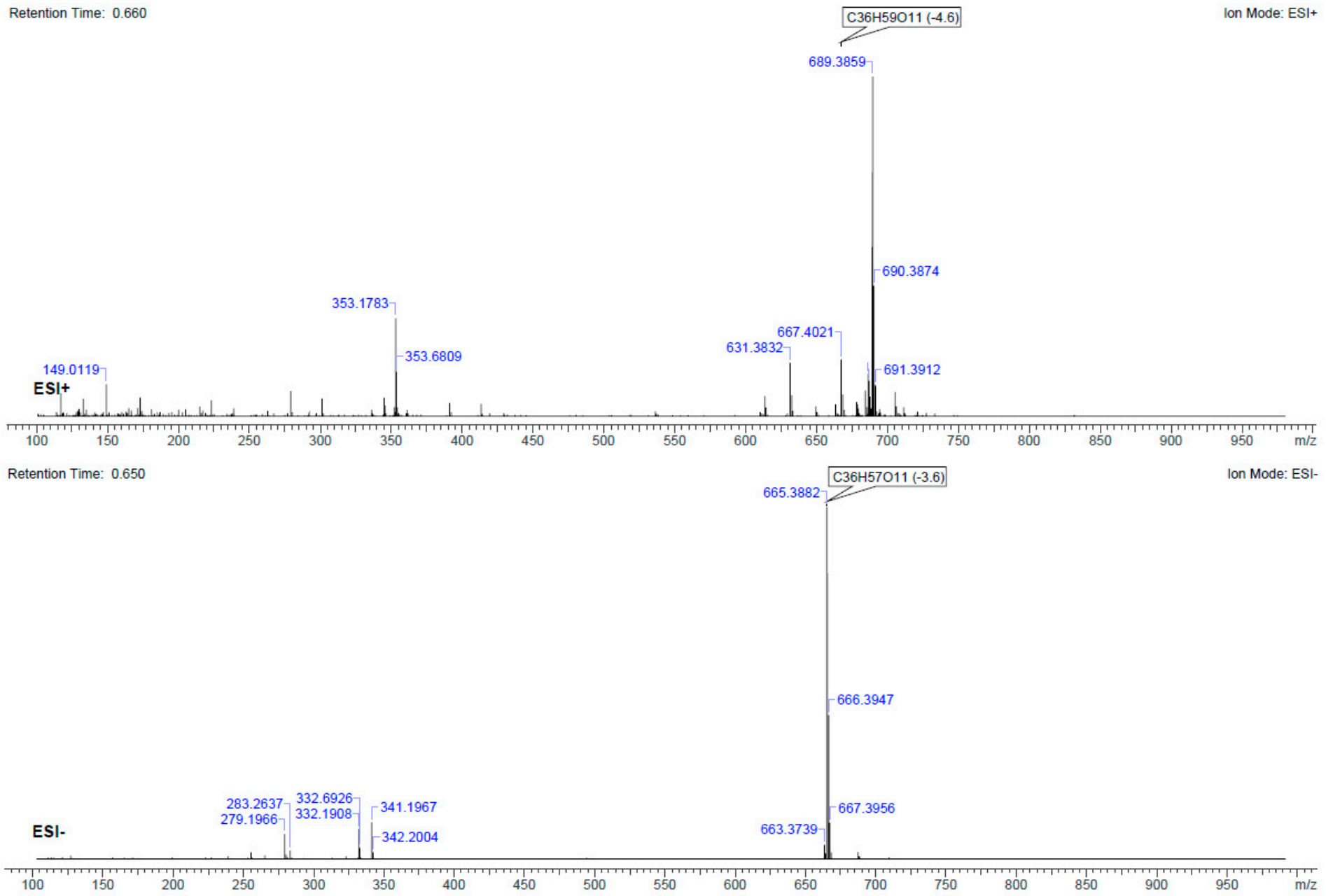

Figure S 18. HR-ESI-MS spectra of compound **3**

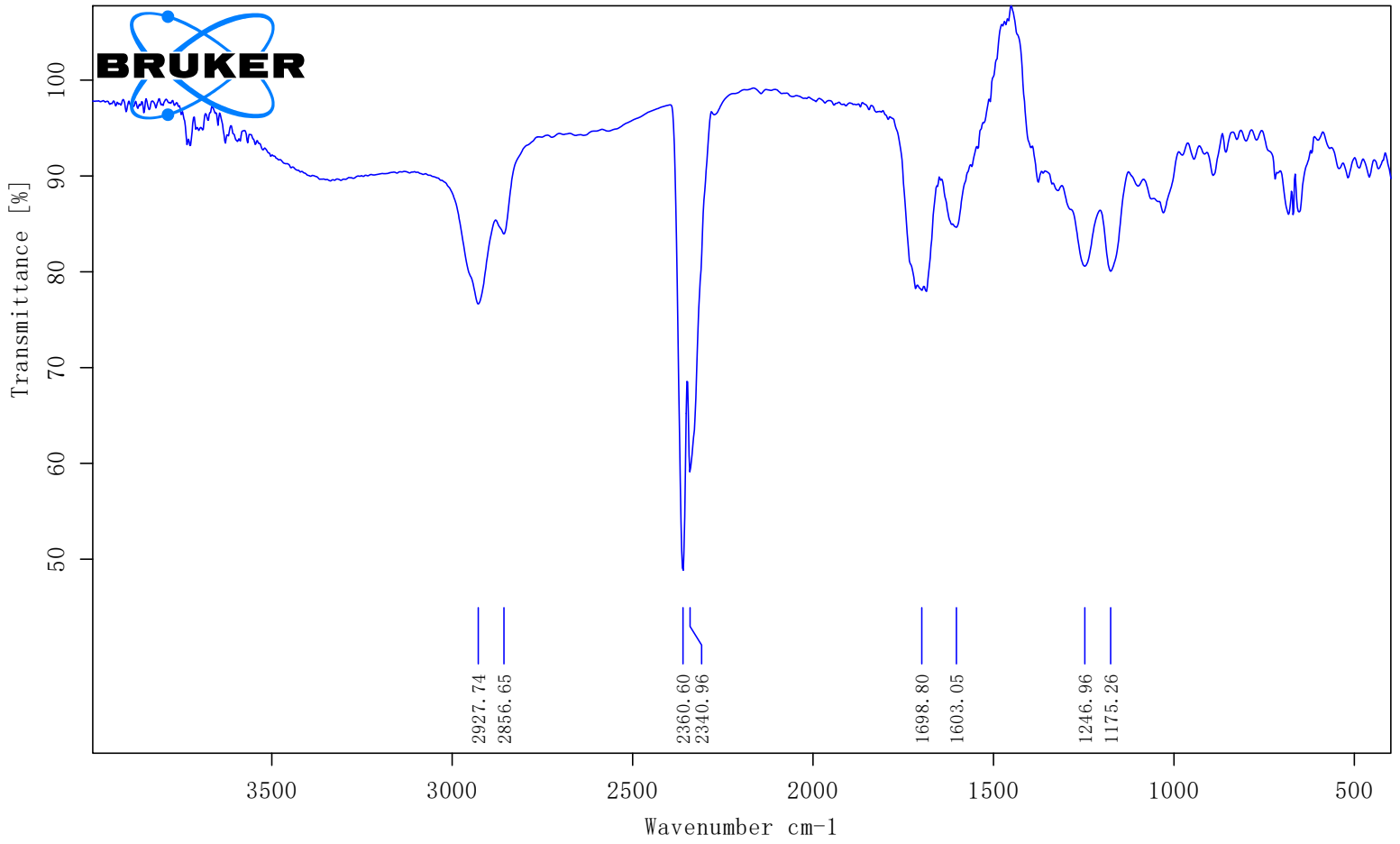

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Figure S 19. IR spectrum of compound **3**

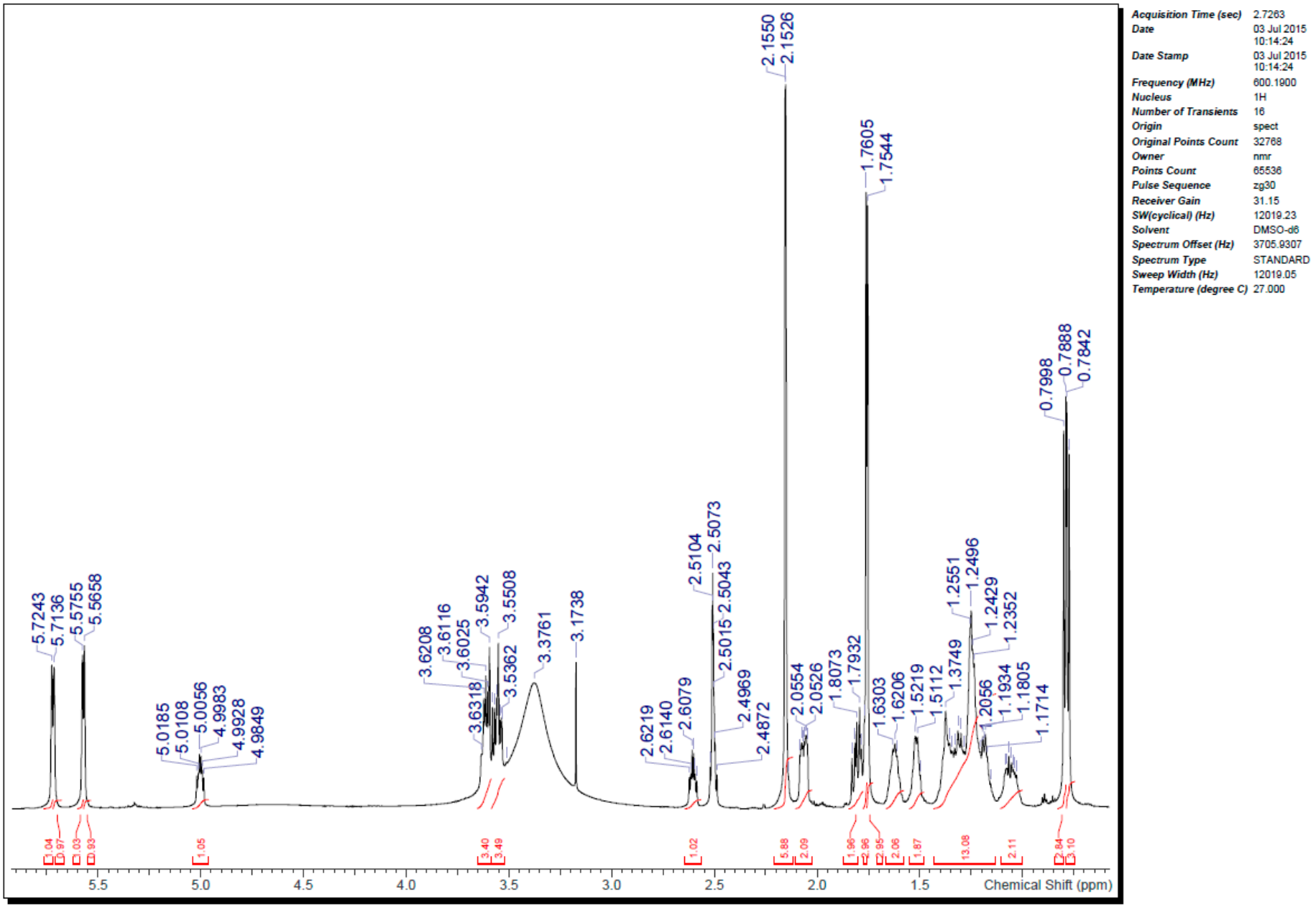


Figure S 20. ^{1}H-NMR (600 MHz, DMSO-d_6) of compound **3**

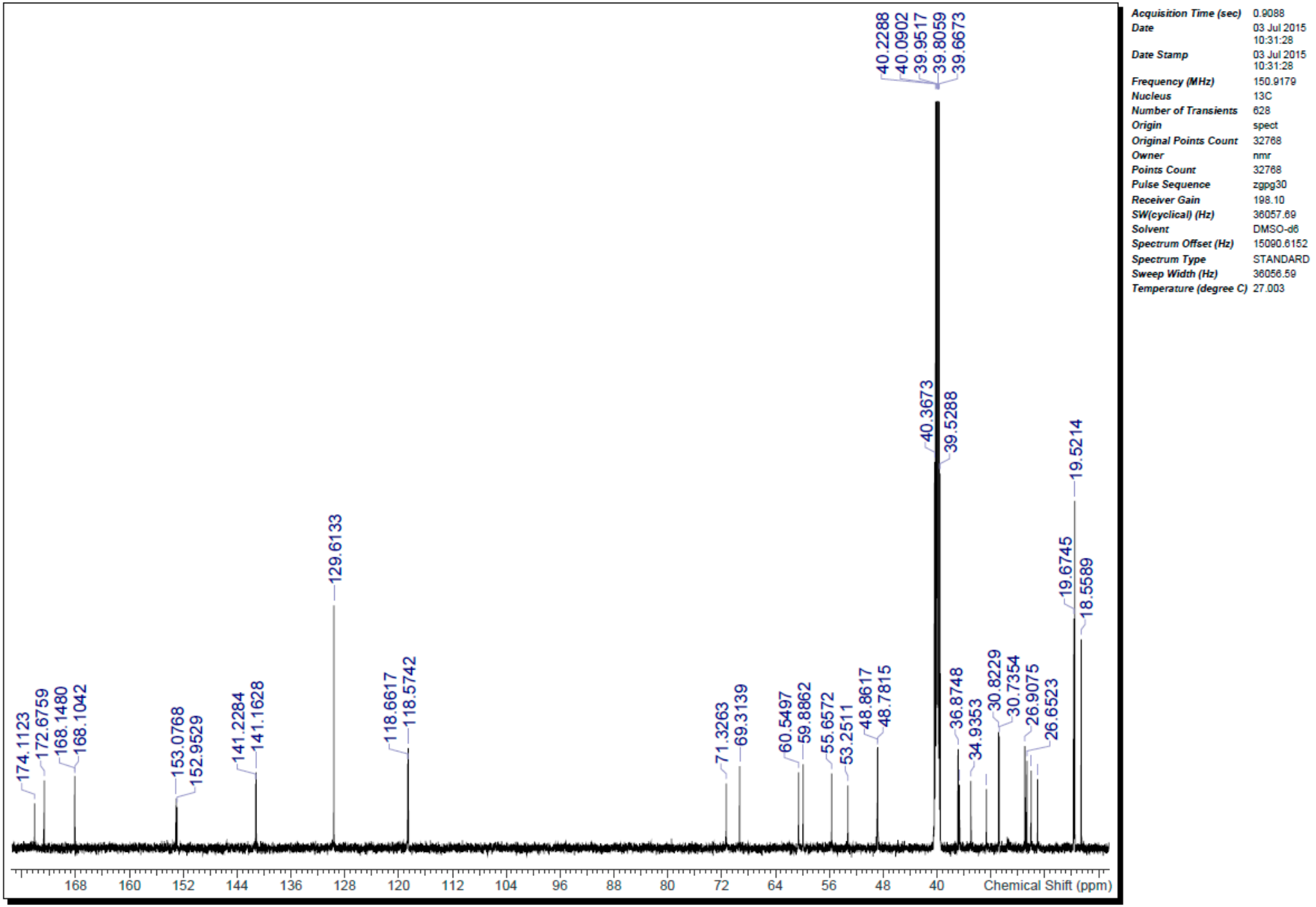


Figure S 21. ^{13}C-NMR (150 MHz, DMSO-d_6) of compound **3**

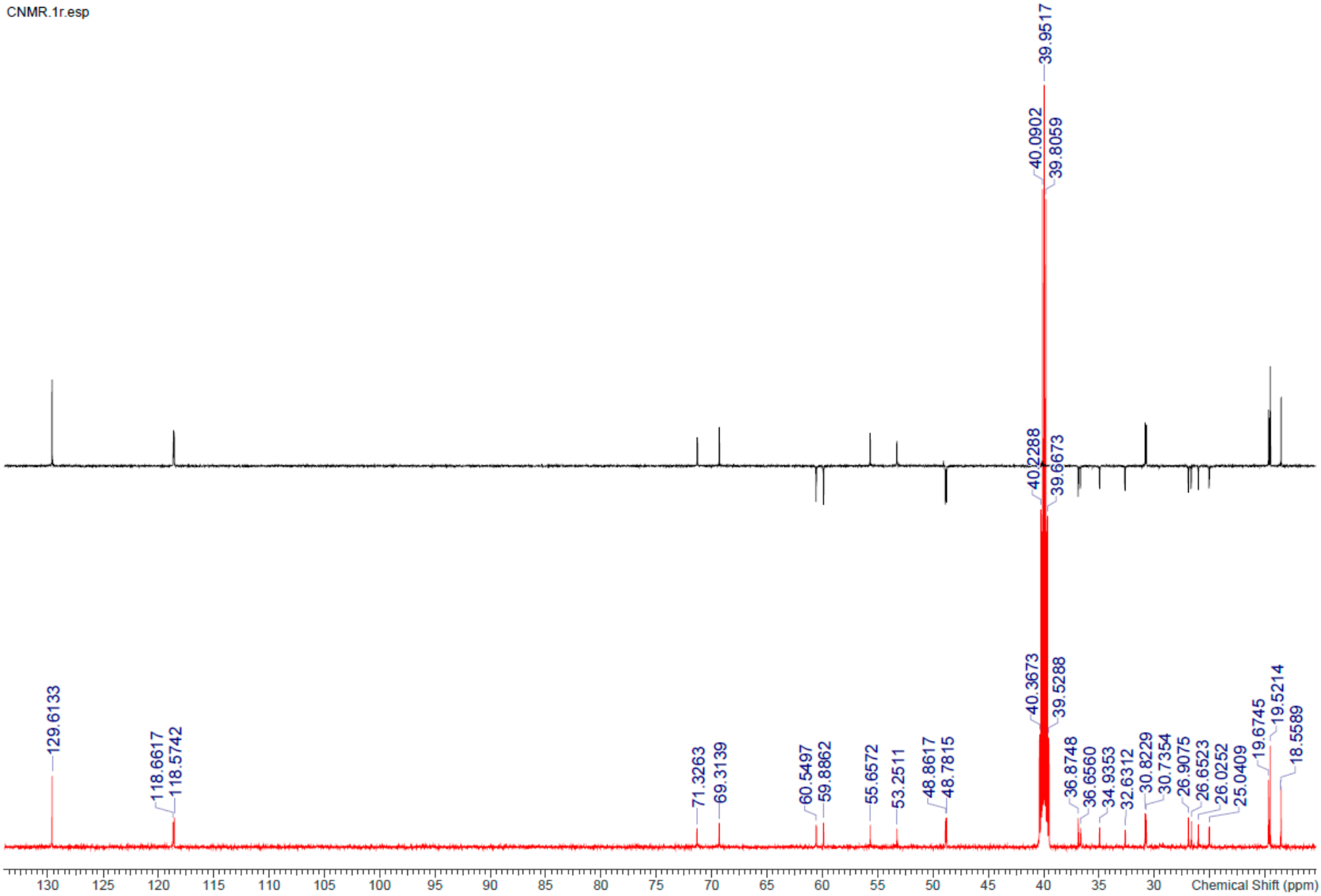


Figure S 22. DEPT spectrum of compound **3**

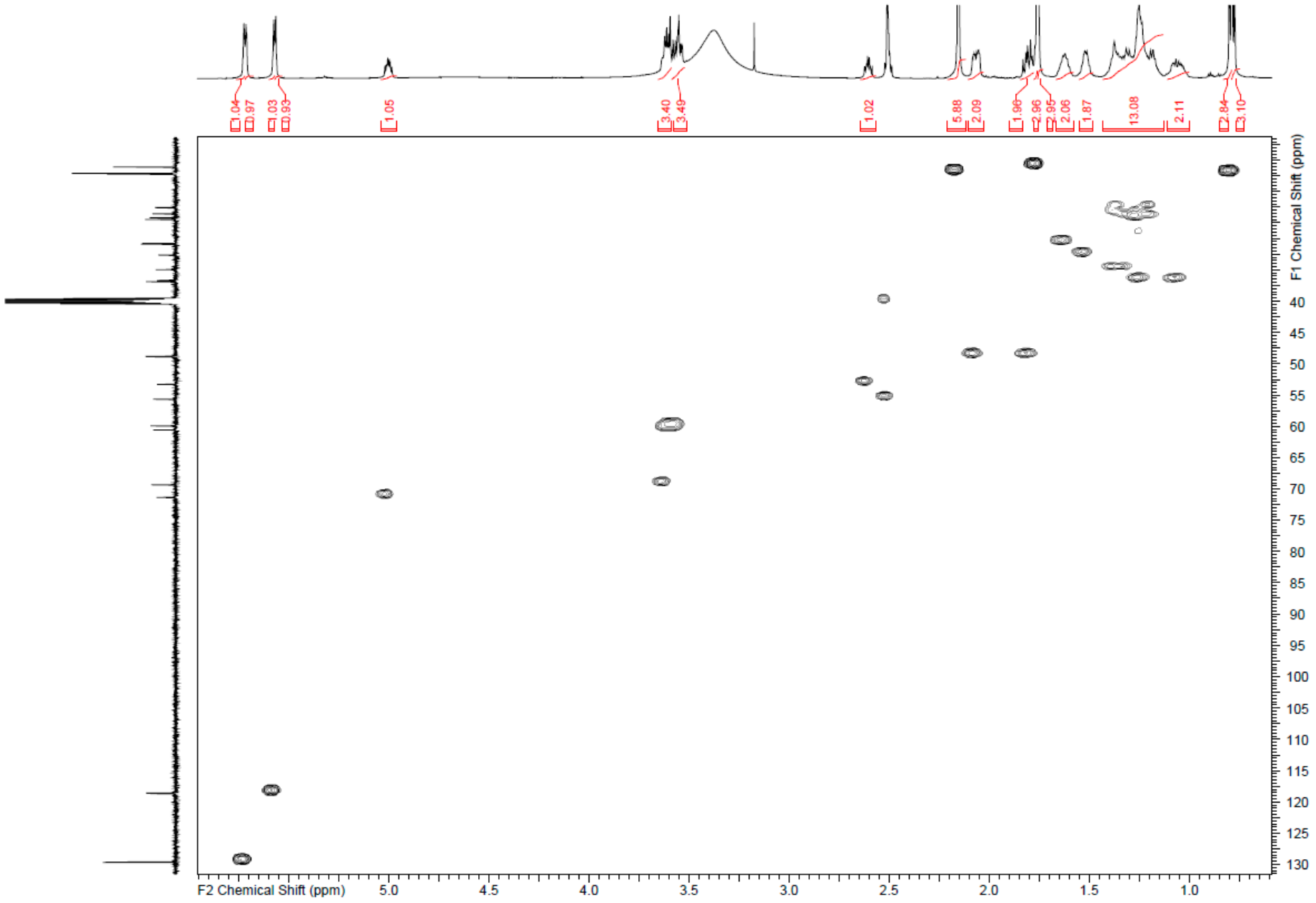
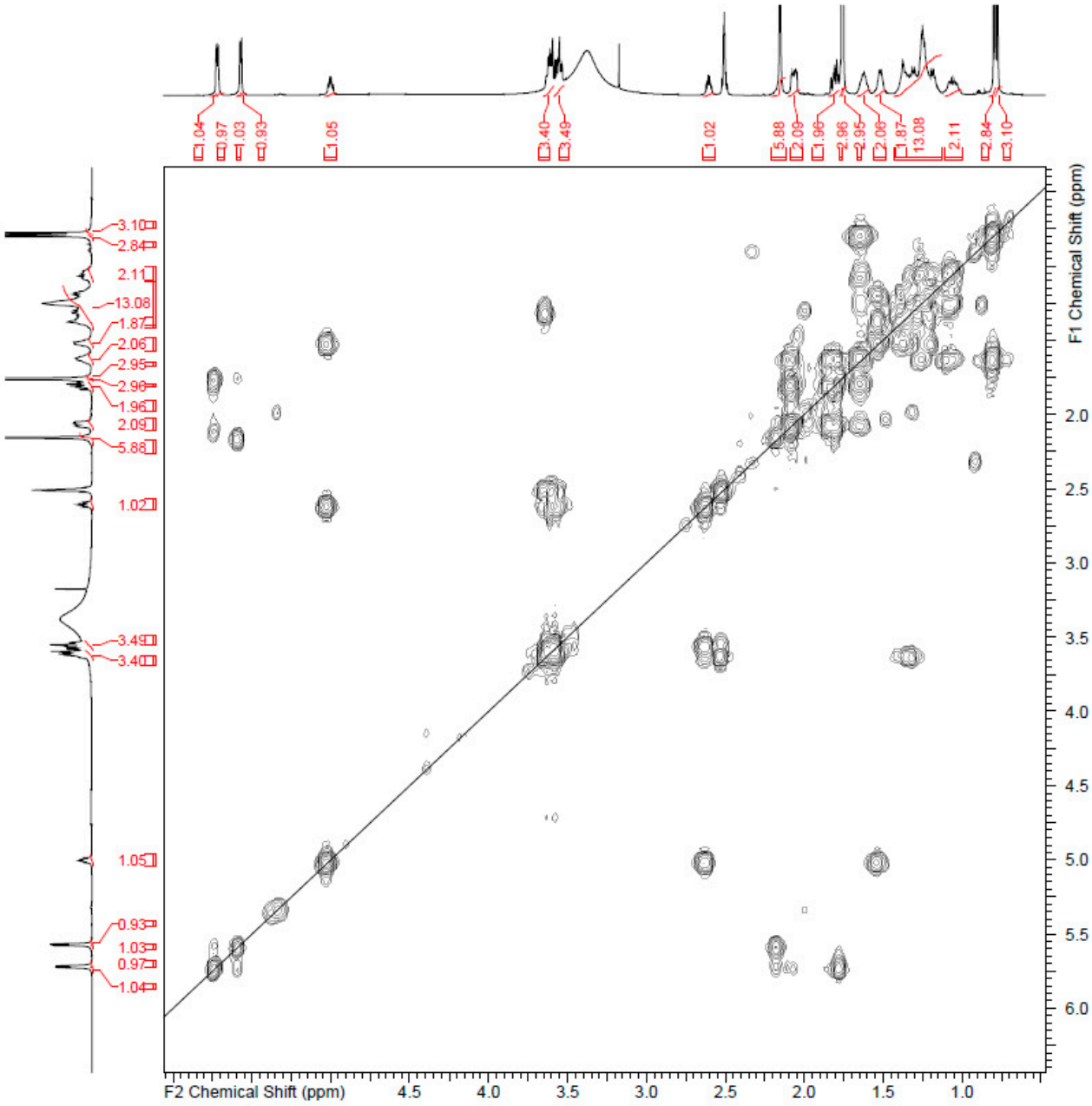


Figure S 23. HSQC spectrum of compound **3**



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Nucleus	(1H, 1H)
Number of Transients	4
Origin	spect
Original Points Count	(1024, 256)
Owner	nmr
Points Count	(2048, 1024)
Pulse Sequence	cosygpmfqf
Solvent	DMSO-d6
Spectrum Type	COSY
Sweep Width (Hz)	(12013.36, 11978.70)
Temperature (degree C)	23.963
Title	

Figure S 24. ^{1}H-^{1}H COSY spectrum of compound **3**

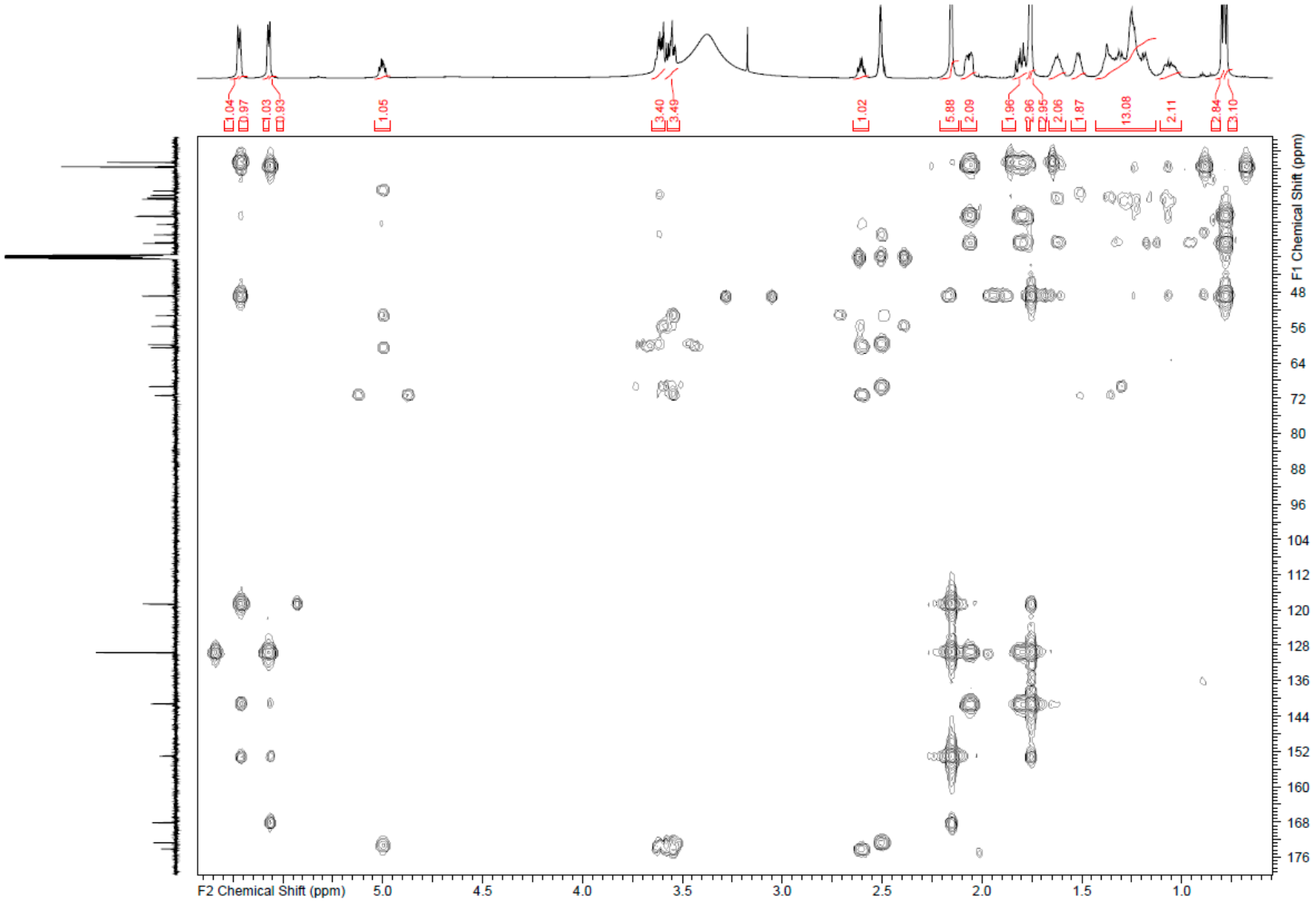
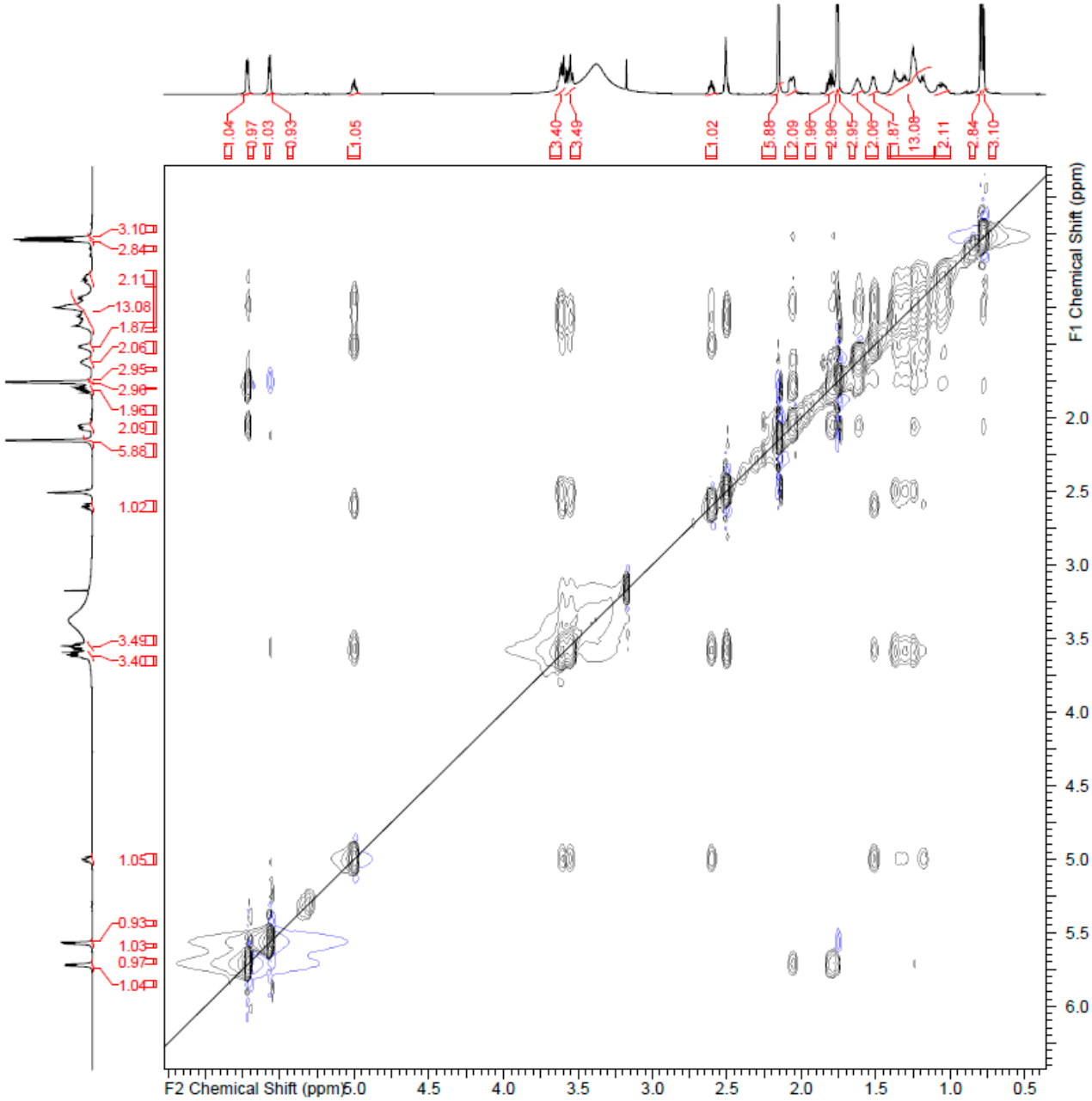


Figure S 25. HMBC spectrum of compound **3**



Acquisition Time (sec)	(0.1167, 0.0292)
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Date	25 Nov 2016 08:59:28
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Frequency (MHz)	(600.1937, 600.1937)
Nucleus	(1H, 1H)
Number of Transients	4
Origin	spect
Original Points Count	(1024, 256)
Owner	nmr
Points Count	(1024, 1024)
Pulse Sequence	noesygpphpp
Solvent	DMSO-d6
Spectrum Type	NOESY
Sweep Width (Hz)	(8763.36, 8763.36)
Temperature (degree C)	24.001
Title	

Figure S 26. NOESY spectrum of compound **3**

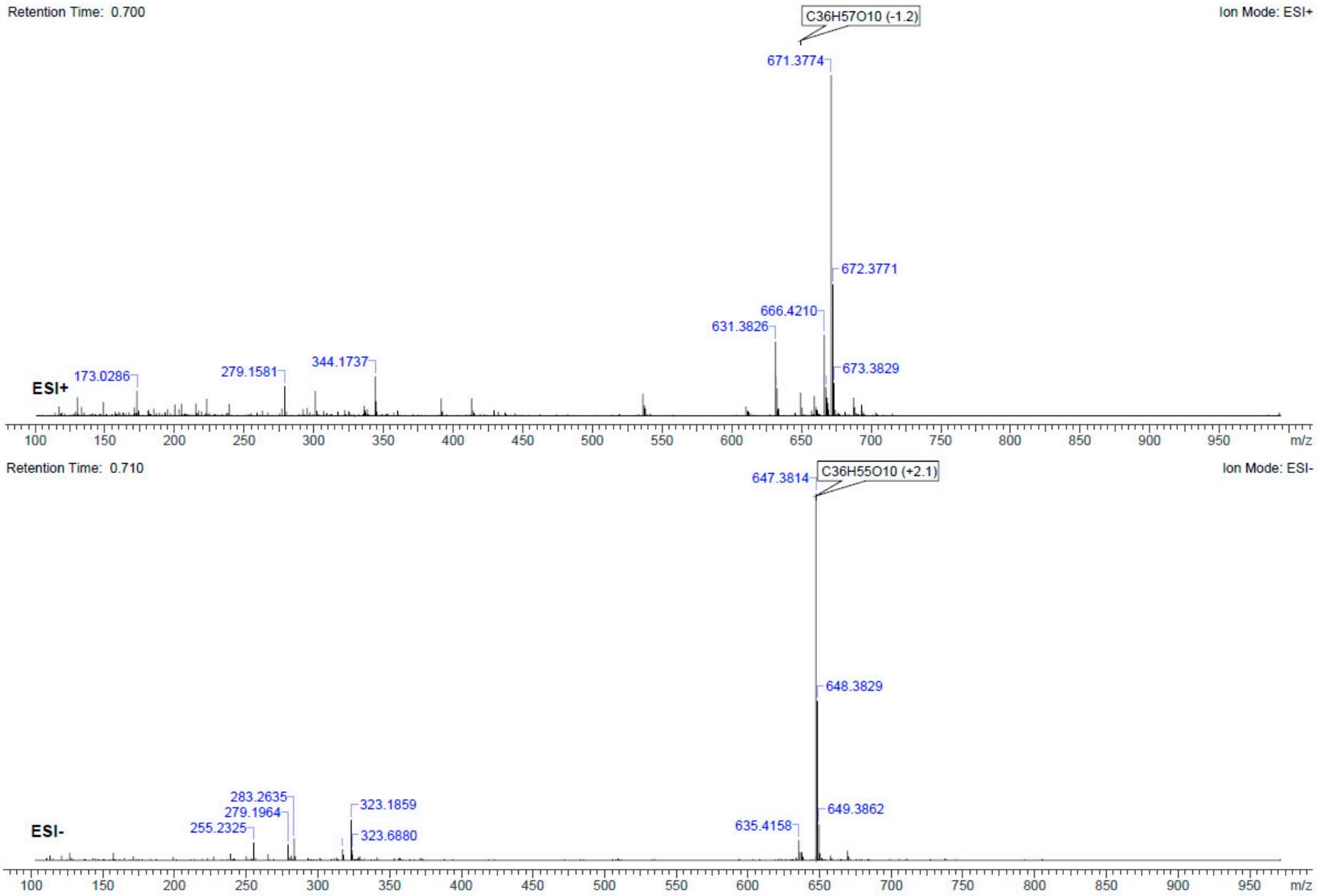


Figure S 27. HR-ESI-MS spectra of compound **4**

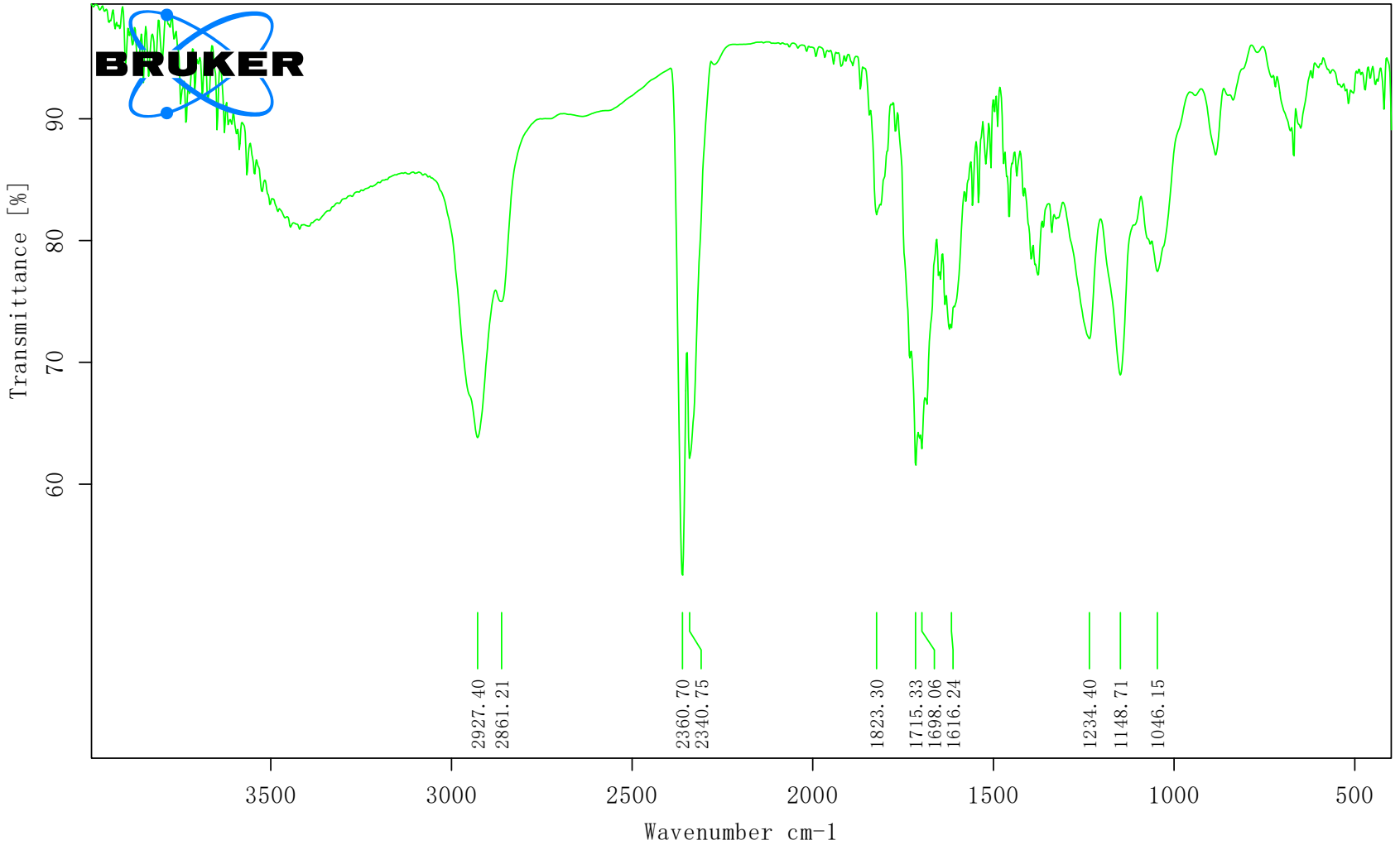


Figure S 28. IR spectrum of compound **4**

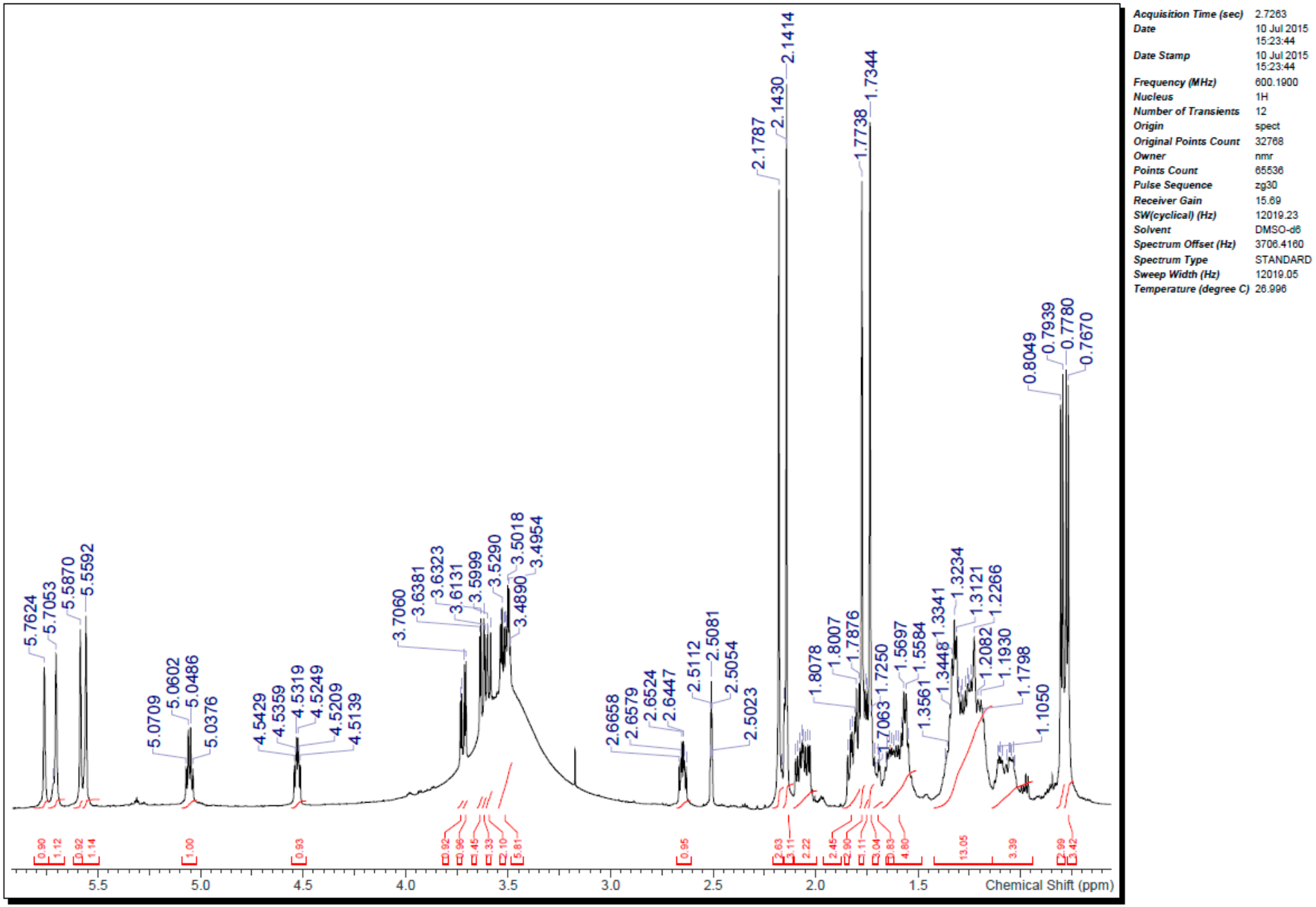


Figure S 29. ^{1}H-NMR (600 MHz, DMSO-d_6) of compound **4**

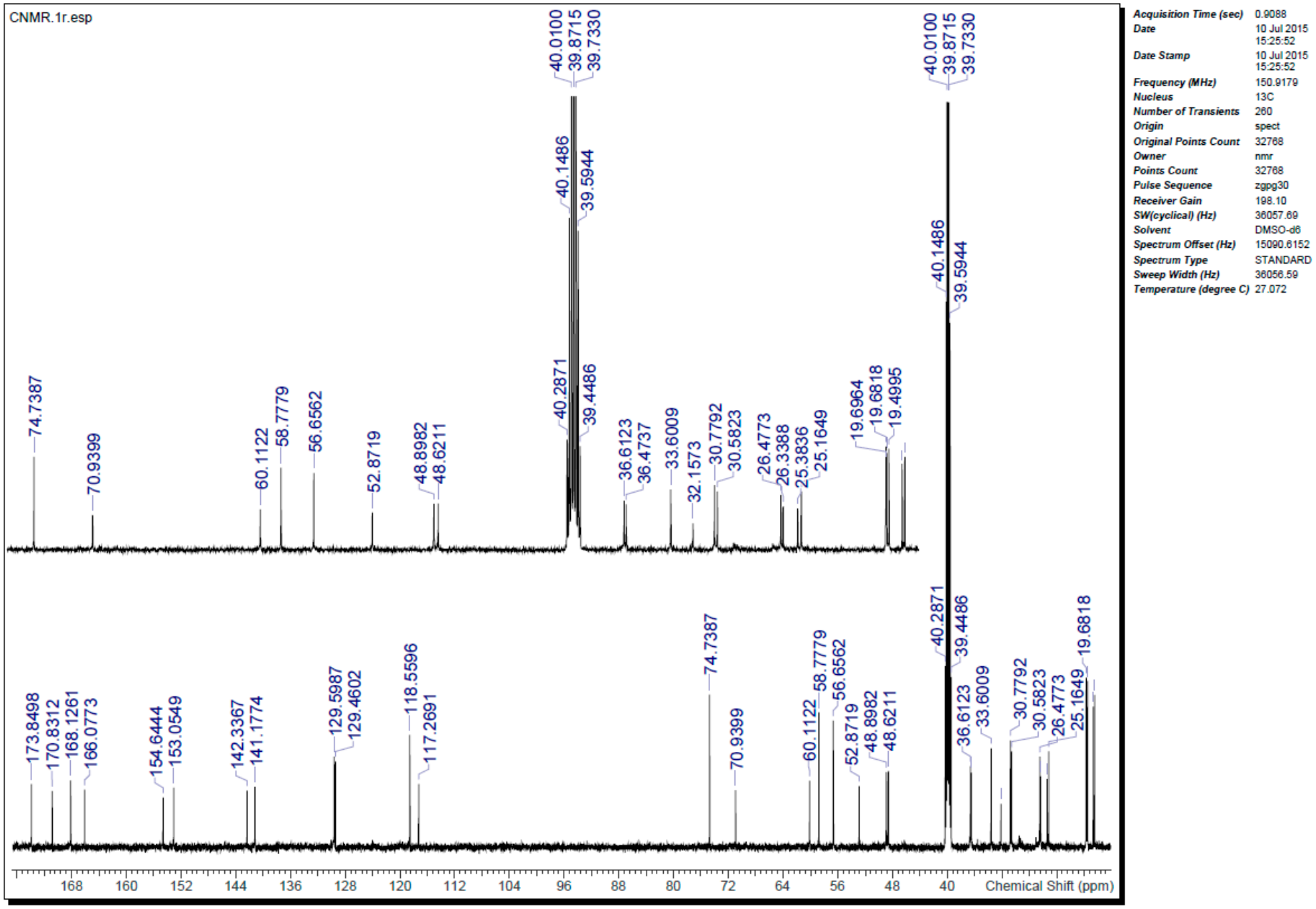


Figure S 30. ^{13}C-NMR (150 MHz, DMSO-d_6) of compound **4**

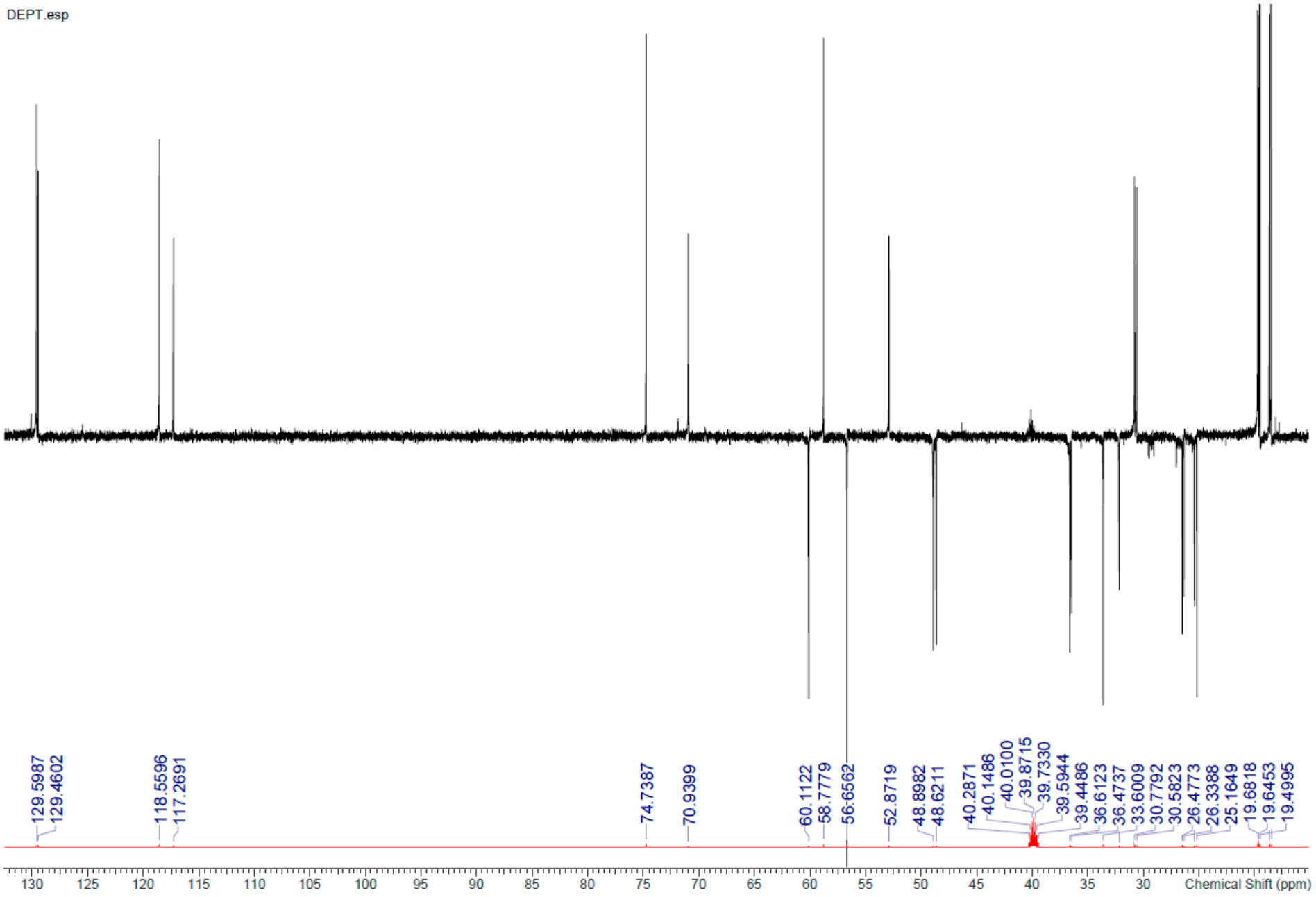


Figure S 31. DEPT spectrum of compound **4**

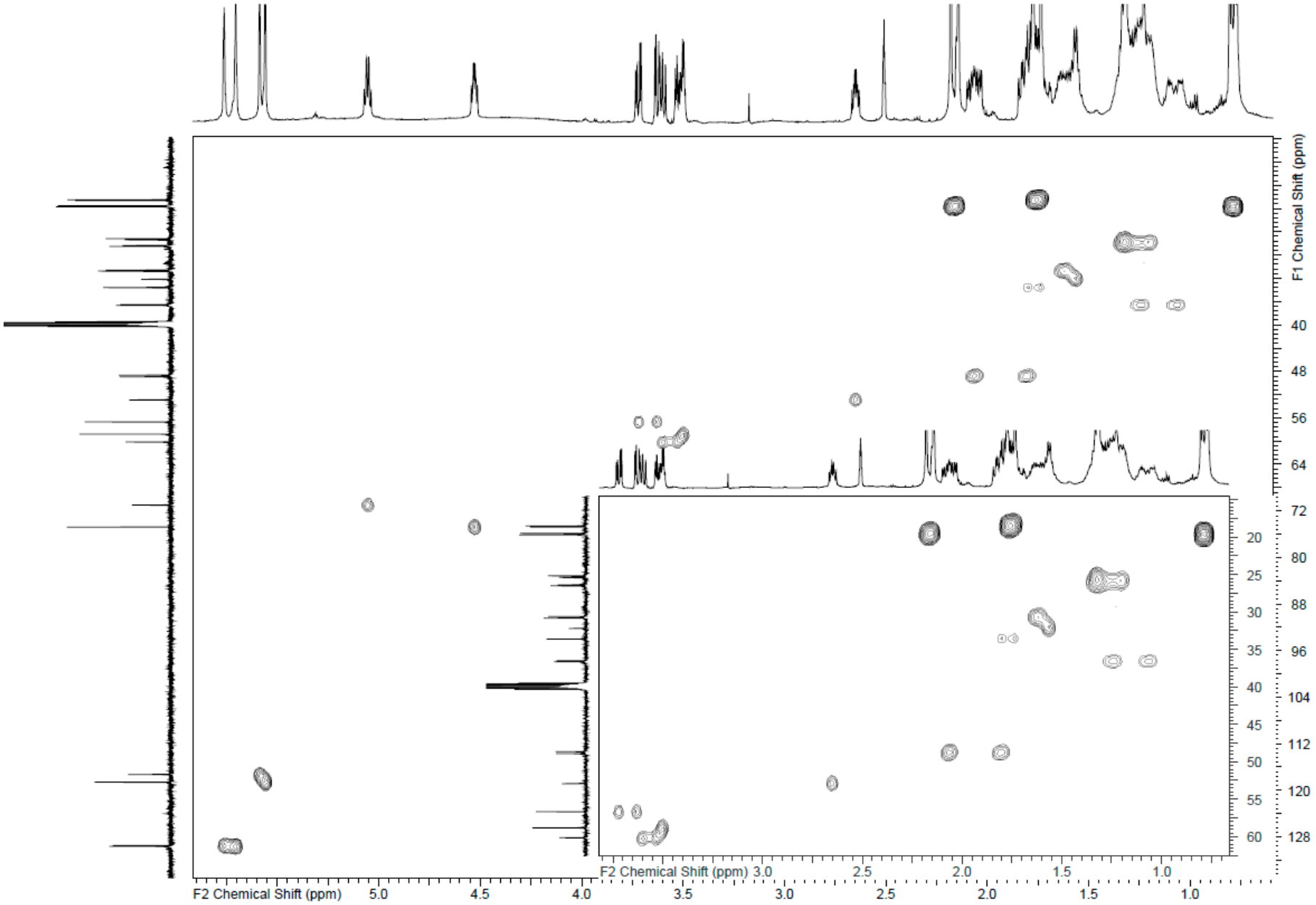
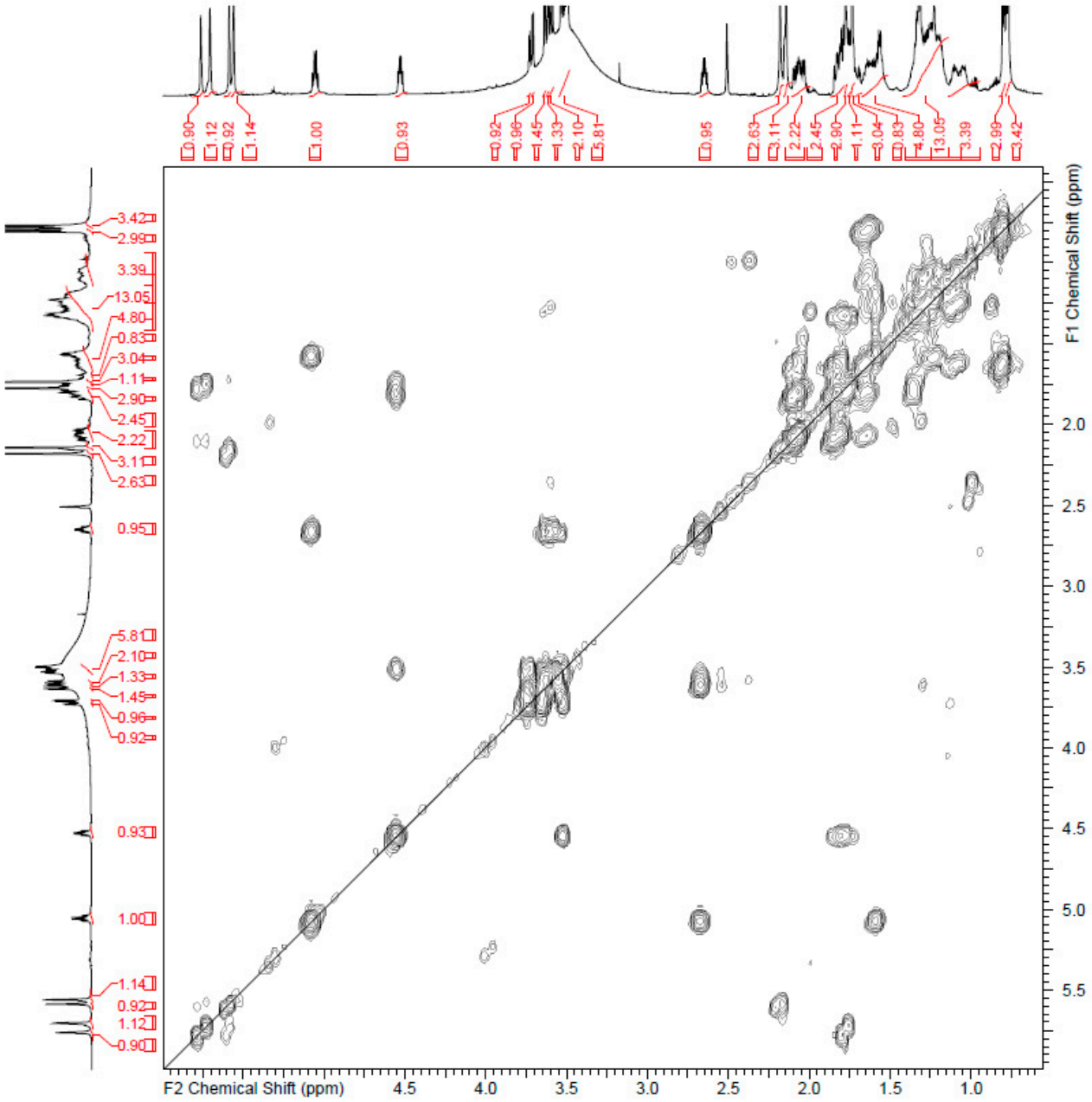


Figure S 32. HSQC spectrum of compound **4**



Acquisition Time (sec)	(0.0852, 0.0214)
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Nucleus	(1H, 1H)
Number of Transients	4
Origin	spect
Original Points Count	(1024, 256)
Owner	nmr
Points Count	(2048, 1024)
Pulse Sequence	cosygpmfqf
Solvent	DMSO-d6
Spectrum Type	COSY
Sweep Width (Hz)	(12013.36, 11978.70)
Temperature (degree C)	26.945
Title	

Figure S 33. ^{1}H-^{1}H COSY spectrum of compound **4**

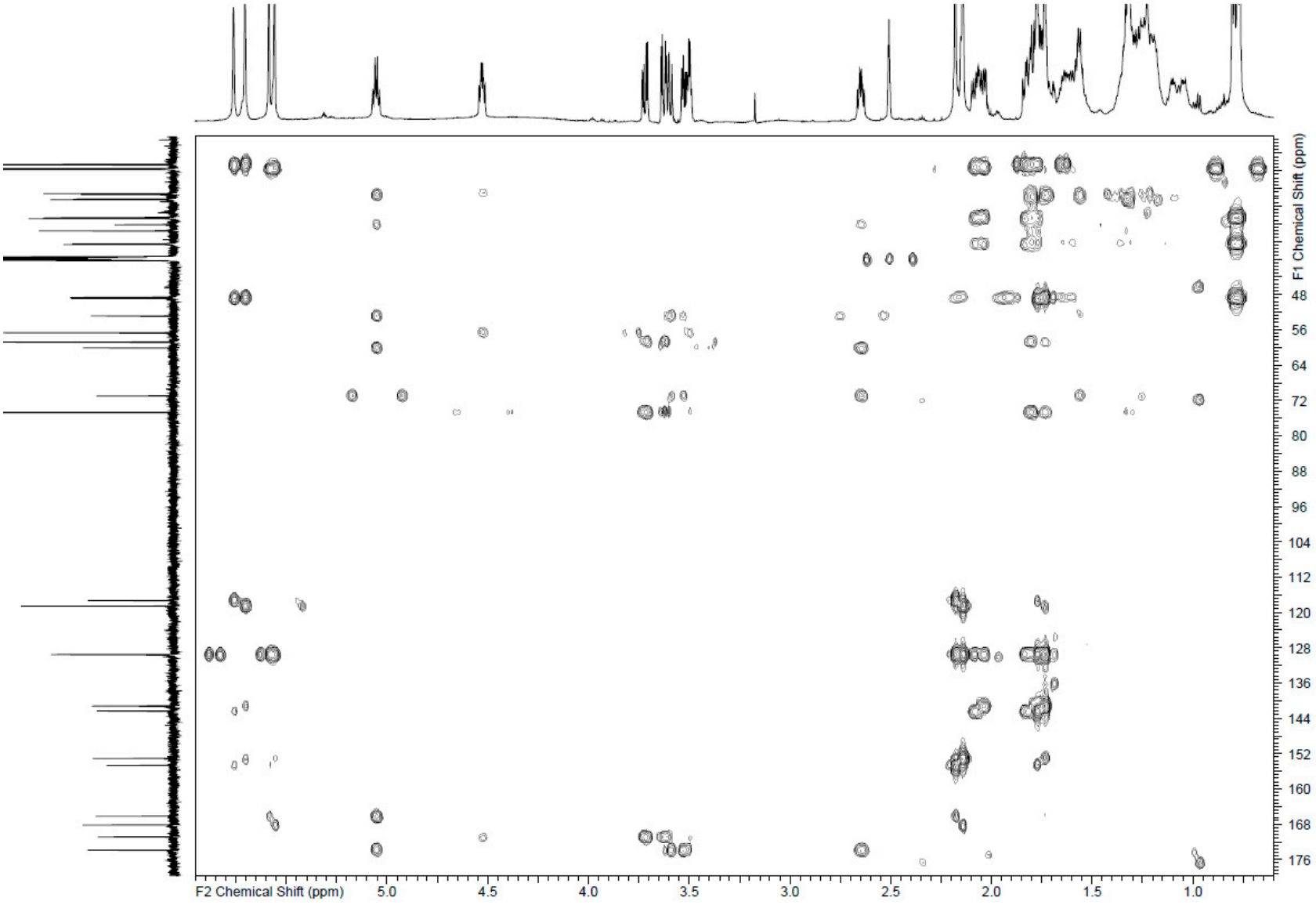

Figure S 34. HMBC spectrum of compound **4**

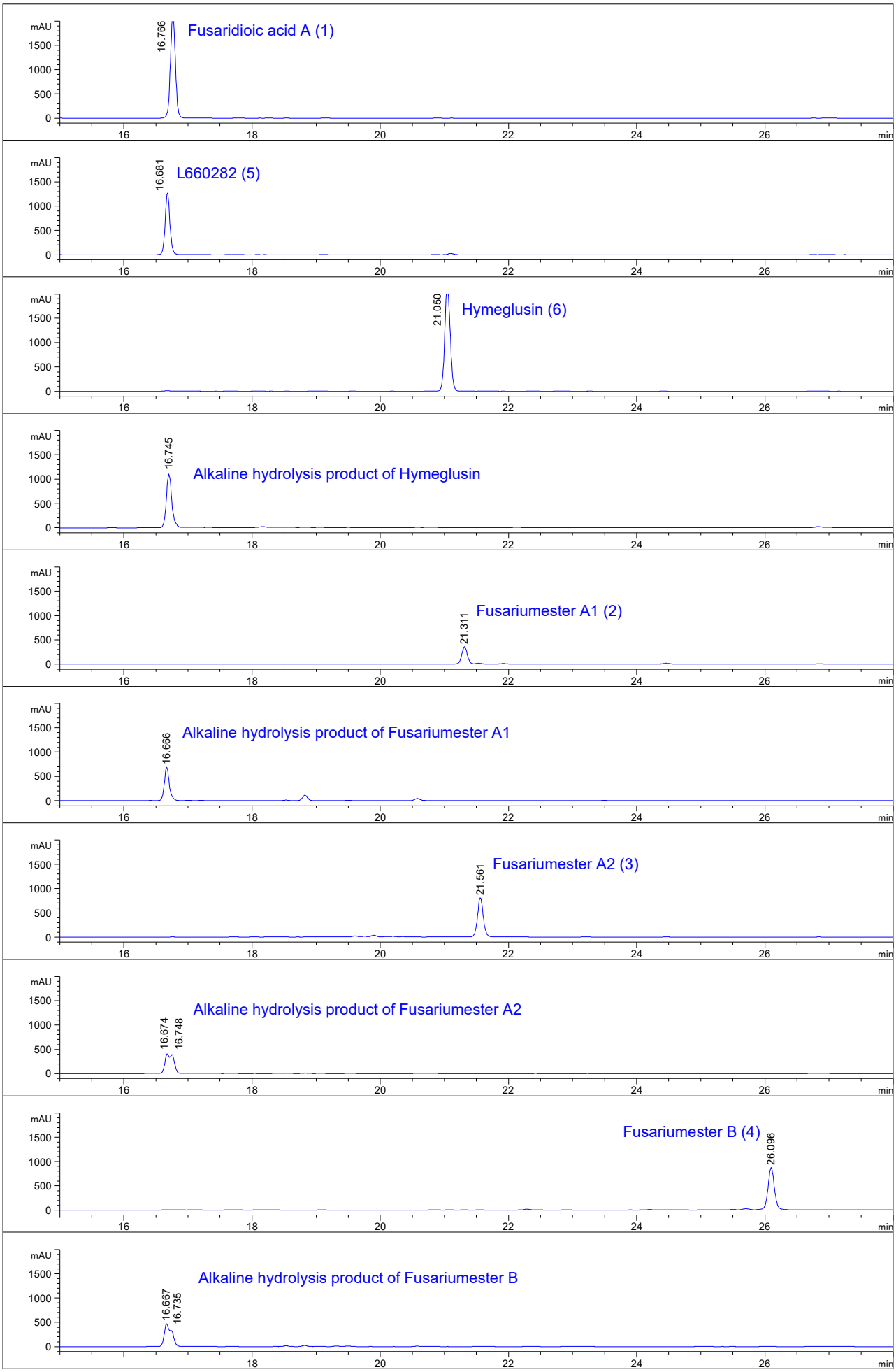

Figure S 35. HPLC chromatograms of compounds **1**-**6** and alkaline hydrolysis products of **2**-**4**, **6**